

Oklahoma COUNTY OF 2013 before me, a Notary Public within and for the State

On this day of December and County aforesaid, personally appeared Robert B. Lyon, Jr. and Katherine A. Saunders to me personally known who, being by me duly sworn did each say that Robert B. Lyon, Jr. is the president and is the secretary of The Link Oil Company

Katherine A. Saunders a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said Robert B. Lyon, Jr.				
nd Katherine A. Saunders	duly acknow	wledged that they each had in their said		
and Katherine A. Saunders  Official capacities executed the foregoing instrument as to surposes therein mentioned and set forth, I do hereby so c	the act and deed of the sectify.	and company for the consideration and		
		20 13.		
	ay of December	and Phones		
My commission expires <u>2-27-16 #12001</u>	167	Notary Public		
ACCEPTAN	CE BY ASSIGNEE			
The assignce in the above and foregoing assignment, mad accepts such assignment and agrees to fulfill all the obliga- lease, when assigned, and the rules and regulations of the So proper bond guaranteeing a faithful compliance with said	allons, conditions, and st ecretary of the Interior, s I lease and this assignme	o far as applicable thereto and to furnish art.		
In Witness Whereof, the said assignee hereunto set	_ hand and scal the	day of		
Attost:	October	D. Worton		
Secretary	Douglass K. Norton, Vice President  Warren American Oll Company, LLC			
(SEAL)				
	T OF SURETY			
Theof				
accompanying the lease above described, hereby consent agrees that their original bond shall remain in full force	nts to the assignment and and effect.	transfer of said lease as above made and		
Duted at	thisday	of		
DEPARTMEN	IT OF THE INTERIO	R .		
· OSA	F INDIAN AFFAIRS GE AGENCY KA, OKLAHOMA	•		
·		Approved:		
The within assignment is hereby approved pursuant to		Under the authority delegated by 265 ph. 209 DM 8, 230 DM 1, 3 IAM 4,1 and Muskogee Area Addendum 9901 to 3 IAM 4 issued June 22, 1999,		

The within assignment is hereby approved pursuant to authority delegated by 25 CFR 226.15 (b)

Escrow Bank: 50: RIF Bank	
Bank Address: 1800 5. Bolt: more Tulsa, OK, 74119, Suite 10	•
Date: 12-14-10	0
WE, THE UNDERSIGNED WARREN AMERICAN DI COMMANY and the SUPERINTENDENT, OSAGE AGENCY, BUREAU OF INDIAN AFFAIRS (The "Superintendent") hereby deposit with Spirit Bank ("escrow bank") the following monies to-wit:	
ONE HUNDRED THOUSAND AND NO/100 DOLLARS (\$100,000)	
Which shall be held by the said bank in escrow under the following instruction, to-wit:	
(a) The account shall be designated as the Spirit Bank - Osago Account # 300 10188 9. Said certificate of deposit shall be purchased and owned by	

(b) The Escrow Funds will be invested in / Year Teron certificates of deposit and shall be automatically reinvested at then existing interest rates until the Escrow Agreement is terminated;

subject to conditions set forth

- (c) The superintendent may draft upon the Escrow funds upon the submission to the Escrow Agency of a sworn affidavit by the Superintendent stating that (i) barren function of Co is in default with regard to its obligations under Department of Interior regulations governing oil &for gas leases covering lands located within Osage County, Oklahoma and (ii) the Superintendent has given WARREN AMERICAN Oil Company thirty days notice of such default (including a specific description of the default) and the opportunity to cure same within said thirty (30) day period; unless sid default is the subject of litigation in which case said funds shall remain in escrow;
- (d) Any funds remaining in the Becrow Account on the termination date (as defined below) will be distributed to Marken American Oil Campany
- (e) All accrued interest shall be credited to Marken American Oil Campangand not added to the certificate of deposit;

Subject, however, to the following terms, exceptions, provision and conditions.

Warren American Oil Company

- 1. The escrow bank shall be liable as a depository only and shall not be responsible for the sufficiency or accuracy of the form, execution or validity of documents deposited hereunder, or any description of property or other things therein, nor shall it be liable in any respect on account of the identity, authority, or rights of the persons executing or delivering or purporting to execute or deliver any such document or paper.
- 2. The escrow bank, as part of the consideration for the acceptance of this escrow, shall not be liable for any acts or omissions done in good faith, nor for any claims, demands or losses, nor for any damages made and suffered by any party to this escrow, excepting such as may arise through or be caused by its willful or gross negligence.
- 3. The escrow bank shall not be liable for collection items until the proceeds of the same in actual cash have been received, and in making collections of items deposited hereunder, the parties hereto agree that the escrow bank may collect the same under the procedures customarily employed by it in handling other collections, nor shall it be liable for the default in payment of any installment of principal or interest nor shall it be liable for failure to demand payment of any instrument, present the same for payment or protest the same or given notice of protest of nonpayment thereof, nor the outlawing of any rights under the Statute of Limitations in respect to any document deposited; nor for interest on any deposit of money. It may rely upon any paper, document, or other writing believed by it to be authentic in making any delivery of money or property hereunder. The escrow bank shall in no way be responsible nor shall it be its duty to notify any party hereto or party interested in this escrow deposit of any payment or maturity, under the terms of any instrument deposited herewith,

- 4. It is agreed that this escrow contract shall not be terminated until the Superintendent authorizes such termination in writing or Bank gives 30 days written notice of its desire to cease serving as escrow agent.
- 5. It is further understood and agreed between the parties that these instruments superscde any other contract with reference to this escrow deposit, insofar as said escrow bank is concerned, and that the said bank may rely absolutely hereon to the exclusion of any and all other agreements between the parties hereto.
- 6. This Agreement shall be binding on the successors and assigns of the parties hereto.
- 7. This Agreement may be amended by written instrument executed by all parties.

(SIGNATURE OF COMPANY AGENT OR INDIVIDUAL)

- 8. Warren American Oil Company assign its interest in the Escrow Account subject to the approval of the Superintendent and the escrow bank.
- 9. The escrow bank shall provide <u>Magney American Oil Company</u> and the Superintendent with semi-annual statements reflecting the balances and activity of the Escrow Account.
- 10. The escrow bank shall be paid an escrow fee of \$ /Per for each certificate so issued.
- 11. This certificate of deposit shall be subject to all normal banking rules and regulations including Regulation Q.

#### PARTIES TO ESCROW CONTRACT

APPROVED:

Under the authority delegated by 209 DM 8, 230 DM 1, 3 IAM 4.1 and Muskogee Area

Addendum 9901 to 3 IAM 4 issued June 22, 1999

$\mathcal{Q}$	
	Superintendent, Osage agency Bureau of Indian Appairs
ACCEPTED:	
Spikil Bank 918	295-1232 phone No.
Donk!	phone No.
1800 5 Bulkinger, Tales DK, 7-1 Address of Bank	119 . Sa re 100
Address of Bank	- The state of the
Burdo & Jackery D	127
BY: Signature and Title of Bank Officer	
RECEIPT AND R	BLEASE
All monies, documents and papers relative to this esc satisfaction this day of	row deposit have been received to our entire
herein relieved from all further liability or responsibility w	vith reference thereto.
Date	M
**************************************	



### United States Department of the Interior **BUREAU OF INDIAN AFFAIRS**

EASTERN OKLAHOMA REGION OSAGE AGENCY POST OFFICE BOX 1539 PAWHUSKA, OKLAHOMA 74056-1539



## WEEKLY LEASE CHANGES FOR WEEK ENDING JULY 18, 2014

## **ASSIGNMENTS (CONTINUED)**



Page 2

	Blackland Coc Waterflood Ur		BL Oil	Warren American Oil Company, LLC assigned 0.9375% interest to Corporation and 0.9375% interest to Paul Hopkins & Miriam Hopkin	Cobalt Energy ns, Joint Tenants
	E/2 01-27-07 NE 11-27-07		0921 5133	With Right of Survivorship.  Approved: July 14, 2014, containing 800 acres more or less.	050920
	N/2 12-27-07		0929		050921
	SW 13-25-05	G06-20472	0&G	Spyglass Energy Group, LLC assigned all it's 50% interest to Nade Operating Company, LLC. Approved: July 16, 2014, containing 160 acres more or less.	and Gussman
082	NE 04-24-09 NW 21-24-09 NE 33-25-09	G06-17035		Warren American Oil Company, LLC assigned 1% interest to Coba Corporation and 1% interest to Paul Hopkins & Miriam Hopkins, Jo Right of Survivorship.	alt Energy int Tenants With
	NW 33-25-09	IND-23591		All approved: July 14, 2014, each containing 160 acres more or les	ss. 05 6082
	SE 33-25-09 SW 33-25-09		Oil-05	4262, 5936	054262
	SW 10-28-10 SE 16-28-10	IND-1817 IND-2910	Oil os so	77	05 5936 05 4092
	SW 20-28-10	201-2143	Oil		054092
	NW 15-28-10 NE 16-28-10	IND-3520 IND-2908	Oil Oil	Warren American Oil Company, LLC assigned 1% interest to Coba Corporation and 1% interest to Paul Hopkins & Miriam Hopkins, Jo	alt Energy oint Tenants With
	SW 16-28-10	IND-2911	Oil	Right of Survivorship.	An in the second

654092

SE 02-22-10 G06-18480 O&G

All approved: July 17, 2014, each containing 160 acres more or less.

Warren American Oil Company, LLC assigned 0.4% interest to Cobalt Energy Corporation and 0.4% interest to Paul Hopkins & Miriam Hopkins, Joint Tenants With Right of Survivorship.

Approved: July 17, 2014, containing 160 acres more or less.

#### SUMMARY

1 NEW LEASE **26 ASSIGNMENTS** 



## United States Department of the Interior BUREAU OF INDIAN AFFAIRS

EASTERN OKLAHOMA REGION OSAGE AGENCY POST OFFICE BOX 1539 PAWHUSKA, OKLAHOMA 74056-1539



WEEKLY LEASE CHANGES FOR WEEK ENDING JULY 18, 2014

#### **NEW LEASE**

				MEAN CENOE	
	FR. SE 32-22-	08; G06-230 -	039 O&G-CBM	Chaparral Energy, LLC Oil and Gas Mining Lease (Less Coal Bed Methane) pursuant to Osage Council Resolution No. 2-234 dated March 19, 2014, Approved April 24, year primary term, 1/5 royalty rate, containing 110 acres more or less.	Minerals 2014, two (2) ⊘≤ 27 <i>0</i> 9
				, (OO) O ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	05 2710
	SW 13-25-05	G06-20472	O&G	Spyglass Energy Group, LLC assigned all it's 50% interest to Nadel and	051712 Gussman 050908 050909
	SSKW Unit	201-6637	BL Oil	Chaparral Energy, LLC assigned all it's 100% interest to Barry L. Sparks	s.05 4183
	E/2 12-25-06		090G	Approved: July 15, 2014, containing 640 acres more or less.	05 0905
	SW 07-25-07 NW 18-25-07	2710 2712	1/9/11/1	903 0905 4604 0904 0906	050906
	SE 18-25-07	G06-1066	Oil	Chaparral Energy, LLC assigned all it's 75% interest to Barry L. Sparks.	05 4604
			•	Approved: July 15, 2014, containing 160 acres more or less.	055143
	NE 36-26-09 SW 31-26-10		Oil Oil	Chaparral Energy, LLC assigned all it's 100% interest to Allen W. and S Wells, Joint Tenant With Right of Survivorship. Alll approved: July 14, 2014, each containing 160 acres more or less.	08520
	SE 10-28-07	G06-20007	SWD	Chaparral Energy, LLC assigned all it's 100% interest to Golden Resou	rces, Inc. 4773
	Well #1		Easment	All approved: July 14, 2014	05.563002
	NW 28-29-11 Well #1-A	G06-10808	SWD Easment		0
)  }	NW 06-27-08	G06-9685	O&G	Golden Resources, Inc. assigned all it's 20% interest to Chaparral Ener Approved: July 15, 2014, containing 160 acres more or less.	gy, LLC.
	S/V/ 28 20 U8	G06-5114	വുദ	Golden Resources, Inc. assigned all it's 30% interest to Chaparral Ene	rgy, LLC:

SW 28-28-08 G06-5114 O&G Golden Resources, Inc. assigned NW 33-28-08 G06-5432 O&G Approved: July 16, 2014, each c

Golden Resources, Inc. assigned all it's 30% interest to Chaparral Energy, LLC: Approved: July 16, 2014, each containing 160 acres more or less.

SW 33-28-08 G06-6356 O&G

5143

1951

5680

Golden Resources, Inc. assigned all it's 30% interest to Chaparral Energy, LLC. Approved: July 16, 2014, containing 160 acres more or less.

NW 01-21-11 G06-10622 O&G

Warren American Oil Company, LLC assigned 1% interest to Cobalt Energy Corporation and 1% interest to Paul Hopkins & Miriam Hopkins, Joint Tenants With Right of Survivorship.

Received

Approved: July 17, 2014, containing 160 acres more or less.

3 29 2014

Maximum Injection Pressure Calculation Pm = (Frac Gradient - (0.433 X Sp.Gr.)) depth

 $Pm = (0.75 - (0.433 \times 1.1)) \times 2528 = 692$  (psi)

Technical Review (Passed/Failed)

dmc 5.29.91

Date: 91/05/20

United States Environmental Protection Agency Page No. 2
Invrpt No. 4 Region 6 Undergound Injection Control System

Uic Key Number: 0S092000

```
      062 Prmnum:
      075 Pubhrn:
      088 Fnlmod:

      063 Tgisdt:
      076 Rspcmt:
      089 Pmterm:

      064 Prmtyp:
      077 Athinj:
      090 Pmtexp:

      065 Aprcdt:
      078 Pmisdt:
      091 Injbgn:

      066 Appldt:
      079 Pmefdt:
      092 Totaor:

      067 Emrgrq:
      080 Apladm:
      093 Abndor:

      068 Apindt:
      081 Admndt:
      094 Prdaor:

      069 Apcpdt:
      082 Pmtmod:
      095 Injaor:

      070 Apwddt:
      083 Modent:
      096 Totall:

      071 Emrgdt:
      084 Drfmod:
      097 Total2:

      072 Drftdt:
      085 Pubmod:
      098 Total3:

      073 Pubnot:
      086 Cmtmod:
      099 Total4:

      074 Cmtend:
      087 Hngmod:
      100 Total5:

 emrgdt:
072 Drftdt:
073 Pubnot:
074 Cmtend:
 101 Insdue:
102 Insfrq: NR
103 Insdat: 90/11/14
104 Insptr: AY
105 Insrsl: 1
116 Userid: PXX
117 Cnvdat:
119 Deldat:
119 Deldat:
110 Deldat:
1110 Instruction:
112 Viotyp:
113 Lastup: 91/04/11
114 Active: A
115 Prvath:
116 Delrea:
120 Latcod: 365041
121 Loncod: 962955
122 County: 113
126 Rptanl:
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7 1 AND 1991 TO 1997 THE STEEL SEE				T MOTO 1900 - 100 10010 - 100				K	/
VERIFIED:/							920		
WELL NUMBER:	B7-D	FROJE	CT/FIELD/U	MIT:	BLACKI	AND			
IS LOCATED	IN GTR S	ECTION:	. SE SEC	TION:	*\$	TOWNSHIP:	27	RANGE	: 7
0990 FEET	FROM THE	: NORT	H LINE A	ND:	990	FEET FROM	Total	WEST	LINE
	agion femal agus, agus fesin sagar basar s	LEGAL	OWNER	y none form water areas sales.	erral faire qu	and nature towns downs receive these (may first for	ERATOR-	men teple given kansa desem <sub>vers</sub>	s marcia disert bique octor testa
NAME: TH	E LINK OI	L CO			THE LIM	NK OIL CO			
STREET:	703 PHI	LTOWER	BLDG		700	3 PHILTOWER	R BLDG		
CITY/ST/ZIF:	TULSA		NO	74103	TUL	SA		OK	74103
TELEPHONE:	(918) 585	-8343	Barden-aver-aver-group-versepay-aver-		silverendings co	CHIEFERE ESTERNICE TO CONTROL	ngangarinar ayo ngasingangangangangan	MOTEURISM	
WELL TYPE:	SALT WA	I for lot							
DRILLED ON	: :	12/23/	the contract of						
GROUND ELE	VATION IS	: 1	134 FEET		TOTAL	DEPTH IS:	2	551 F	For Deer T
PLUGGED BA	CK TO:	situate noncell turnessen	mas time to the time to the time to the time to the time time time time time time time tim		CONVER	RTED ON:	07/1	5/65	
STATUS IS:	ACTI	VE							
PERMARIENTL	Y ABANDON	ED ON:		/	erestandispresses.				
TUBING AND CAS	ING.	SIZE		I	DEPTH		CEMI	ENT	
SURFACE:		8. 75	INCHES		210	gross price gross region for the first price of the		150 8	ACKS
INTERMEDIA	tague gines a	PROPERTY TO THE TOTAL PROPERTY OF THE TOTAL	INCHES	NO 101 HE BANGO FOR	or annume translation agreement translation or	Contraction and the Contraction of C	100000000000000000000000000000000000000	************************	SACKS
PRODUCTION	(+	5. 50	INCHES		2551	poetr plant plant plant		100 8	ACKS
TUBING SIZ	garan gant s farer s	2. 38	INCHES	BOF	RE HOLE	517E:	ADMINISTRAÇÃO DE PROPERCIOS A	T. 2	NCHES
DEPTH OF P	ACKER:		82 FEET						
INJECTION DATA	:								
INJECTION	FLUID IS:					DEC 0			
SALT W	ATER					DEC ON 1984			
INJECTION	VOLUME IS	:		800	BARRE	ELS/DAY MAX	<		
WELL HEAD	INJECTION	PRESSU		50	PSI	1AX			
INJECTION	INTERVAL	1 IS FR	OM:	2528	Too have been 1	70:	2534	Store Store Start sept	
FORMAT	ION NAME	IS: MI	SSISSIPPI						
INJECTION	INTERVAL	2 IS FR	OM:		The first feet for the first feet feet feet feet feet feet feet fe	TO:		Store Store Store and the Store Stor	
	ION NAME					**************************************	AT THE PERSON OF		

October 3, 2017 Bird Creek - Osage County, Oklahoma 730 7-B7\_OS0920 10 of 174 OSAGE LL DATA VALIDATION FORM No. 389 B-7 PROJECT/FIELD/UNIT: Blackland WELL NUMBER: IS LOCATED IN QTR SECTION: SE SECTION: 1 TOWNSHIP: 27 RANGE: 7 990 FEET FROM THE: North LINE AND: 990 FEET FROM THE West LINE The Link Oil Company NAME: \_\_\_\_Same 703 Philtower Building STREET: Tulsa / Ok, 74103 CITY/ST/ZIP: WELL DATA: TYPE IS: X/1 SALT WATER \_\_/2 ENHANCED RECOVERY \_\_/3 LIQUID HYDROCARBON STG DRILLED ON: 12 / 23 / 55 GROUND ELEVATION IS: 1134 FEET TOTAL DEPTH IS: 2551 FEET PLUGCED BACK TO: FEET CONVERTED ON: 7 / 15 / 65 (X/1 ACTIVE) \_\_/2 INACTIVE \_\_/3 PLUGGED AND ABANDONED STATUS IS: ABANDONED ON: \_\_\_\_/\_\_\_/\_\_\_\_/ TUBING AND CASING: SIZE DEPTH CEMENT SURFACE: 8. 75 INCHES 210 FEET 150 \_\_\_ SACKS \_\_\_\_. \_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ SACKS INTERMEDIATE: PRODUCTION: 5 5 INCHES 2251 FEET \_\_\_\_\_ SACKS TUBING: TUBING SIZE: \_\_\_\_\_\_ INCHES BIT OR BORE HOLE SIZE: \_\_\_\_ INCHES DEPTH OF PACKER IS: 2282 FEET INJECTION DATA: INJECTION FLUID IS:  $\frac{X}{1}$  SALT WATER \_\_/2 FRESH WATER \_\_/3 AS \_\_/4 TERTIARY \_\_/5 OTHER INJECTION VOLUME IS: \_\_\_\_\_800 BARRELS/DAY MAX WELL HEAD INJECTION PRESSURE IS: 50# BARRELET DAY MAX INJECTION INTERVAL 1 IS FROM: 2528 FEET TO: 2534 FEET

FEET TO:

FORMATION NAME IS: \_\_\_\_ Chat

INJECTION INTERVAL 2 IS FROM:

FORMATION NAME IS:

October 3, 2017

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 11 of 174

5/23/83

IN CTION WELL DATA VALIDATION FORM NO. 920

OWNERSHIP DATA

WELL OPERATOR

LEGAL OWNER

LINK DIL CO 703 PHILTOWER BUILDING OK 74103 TULSA

LINK OIL CO 703 PHILTOWER BUILDING

TULSA

OK 74103

WELL NUMBER B7-D IN THE (PROJECT/FIELD/UNIT) BLACKLAND IS LOCATED IN TOWNSHIP 27, RANGE 7, SECTION 1, QTR SECTION SE 990 FEET FROM THE NORTH LINE AND 990 FEET FROM THE WEST LINE

WELL DATA

WELL STATUS IS ACTIVE

CONVERTED ON 04/15/69

SURFACE ELEVATION IS 1126 WELL TYPE IS ENHANCED RECOVERY TOTAL DEPTH IS 2559
DRILLED ON 12/23/55 PLUGGED BACK TO 0

ABANDONED ON D/

2559 FEET

FEET

TUBING AND CASING

SURFACE INTERMEDIATE PRODUCTION
TUBING SIZE

DEPTH OF PACKER IS 2282 FEET

 
 SIZE
 DEPTH
 CEMENT SACKS

 8.75 INCHES
 210 FEET
 75

 0. INCHES
 0 FEET
 0

 5.50 INCHES
 2551 FEET
 75
 A. O INCHES

INJECTION DATA

INJECTION FLUID IS SALT WATER INJECTION VOLUME IS 750 BARRELS/DAY WELL HEAD INJECTION PRESSURE IS 0 PSI

INJECTION INTERVAL 1 IS FROM 2517 FEET TO 2534 FEET FORMATION IS MISSISSIPPI

INJECTION INTERVAL 2 IS FROM \_\_\_ O FEET TO \_\_\_ O FEET FORMATION IS 0

October 3, 2017

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 12 of 174

OSAGE VERIFICATION FORM \*\*\*\*\*\*

LINK OIL CO 703 PHILTOWER BLDC TULSA

OK 74103

FORM WELL#

FORM WELL#

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FORM WELL# FORM WELL#

FORM WELL# \*\*\*\* \*\*\*\*\*

920 B7-D 2060 A-D

921 B-8 4262 2-A

928 A-2

929 C-W4

2056 2D

I CERTIFY THAT THE INFORMATION ON THE ENCLOSED VERIFICATION FORMS FOR THE ABOVE WELLS IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE THE LINK OIL COMPANY

SIGNATURE OF OWNER/OPERATOR

Robert B. Lyon, President December 4, 1984 DATE

(918) 585-8343

TELEPHONE NUMBER

DEC OS 1984

7-B7 OS0920 13 of 174

0 9 MAY 2017

Scan Code:

**REPLY TO: 6WQ-S** 

Certified Mail #7012 3050 0001 6504 7438 - Return Receipt Requested

Mr. John Burroughs, Vice-President of Operations Warren American Oil Company, LLC 6585 South Yale, Suite 800 Tulsa, Oklahoma 74136

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for a Permit

Inventory No.:

OS0920

Well No.:

B7-D

Location:

SE/4, Sec. 1, T 27N, R 7E, 990' FNL, 990' FWL

Osage County, Oklahoma

#### Dear Mr. Burroughs:

Elevated levels of salinity in an upper tributary of North Bird Creek were confirmed during an Environmental Protection Agency (EPA) inspection conducted on August 16, 2016, and subsequent inspections. The chemical analysis of the fluid has confirmed it is from the Mississippi Lime/Chat. The presence of this fluid at the surface by migration through the underground source of drinking water (USDW) indicates the USDW is threatened. The referenced injection well is near the impacted area and is currently authorized by rule. This action is taken in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2915 "Requiring a permit for wells authorized by rule"), which state the "protection of USDWs requires that the injection operation be regulated by requirements which are not contained in the rule."

Therefore, you are required to submit a permit application for the referenced well to the EPA's Osage UIC Office in Pawhuska no later than 45 days after the date you receive this letter. Permit application materials are enclosed for your use. All information in the application and as listed in the regulations (40 CFR 147.2918, "Permit application information") must be submitted.

Additionally, UIC program regulations (40 CFR 147.2903 "Prohibition of unauthorized injection") state "no owner or operator shall construct, operate, maintain, convert, plug, or abandon any injection well....in a manner that allows movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation...or may adversely affect the health of persons." The UIC regulations (40 CFR 147.2918, "Permit application information") also state, "the applicant has the burden to show the proposed injection activities will not endanger USDWs."

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In accordance with UIC program regulations (40 CFR Part 147.2915(a)(2)), EPA is requiring additional information to be submitted for use in EPA's permitting decision process. Within 30 days of receipt of this letter you are required to begin daily monitoring of injection pressure and injection rate, and indicate whether operations are on a continuous or cyclic basis. You are required to submit such information to EPA on a weekly basis until a final permit decision becomes effective, at which time you must follow the condition of your permit. EPA will provide you further information on the format, method of submittal, and to whom submittal shall be made. Also, all pressure and rate data collected since your last annual report shall be included with your permit application. This will not affect your obligation for monthly monitoring and reporting under 40 CFR 147.2913.

You are currently authorized by rule to conduct injection operations at this well. However, UIC regulations (40 CFR 147.2915(c)) state, "Injection is no longer authorized by rule upon the effective date of a permit or permit denial, or upon failure of the owner/operator to submit an application in a timely manner as specified" in this notice. Upon termination of authorization by rule, use of the well for fluid injection would be prohibited except under a permit.

If you have any questions, or would like to discuss this decision, please contact Phil Dellinger in our Dallas office at (214) 665-8324. If you need additional information or assistance in preparing your permit application, please contact the Osage UIC office in Pawhuska at (918) 287-5333.

Sincerely yours.

William K. Honker, P.E., Director Water Division

**Enclosures** 

cc: with enclosures BIA, Minerals Branch Osage UIC Office

6WQ-SG: CTINGEY: 5/9/2017: 6WQ-SG 6WQ-S OS0920

DELLINGER BROWN

INGER BROWN.

If Brown Harrison

17 5/9/17

ED (F)	U.S. Postal Service™ CERTIFIED MAIL™ REC (Domestic Mail Only; No Insurance C	Overage i rottess,
7	For delivery information visit our website	at www.usps.com
9050 0001 6504	Postage \$ Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & Fees	Postmark Here
7012	Sent To Warren American Street, Apt. No.; 6585 South Yalt Oity, State, ZIP+4 Tulsa OK 741 PS Form 3800, August 2006	Suite 800



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS TX 75202-2733

REPLY TO: 6WQ-S

0 9 MAY 2017

Certified Mail #7012 3050 0001 6504 7438 - Return Receipt Requested

Mr. John Burroughs, Vice-President of Operations Warren American Oil Company, LLC 6585 South Yale, Suite 800 Tulsa, Oklahoma 74136

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for a Permit

Inventory No.:

OS0920

Well No .:

B7-D

Location:

SE/4, Sec. 1, T 27N, R 7E, 990' FNL, 990' FWL

Osage County, Oklahoma

Dear Mr. Burroughs:

Elevated levels of salinity in an upper tributary of North Bird Creek were confirmed during an Environmental Protection Agency (EPA) inspection conducted on August 16, 2016, and subsequent inspections. The chemical analysis of the fluid has confirmed it is from the Mississippi Lime/Chat. The presence of this fluid at the surface by migration through the underground source of drinking water (USDW) indicates the USDW is threatened. The referenced injection well is near the impacted area and is currently authorized by rule. This action is taken in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2915 "Requiring a permit for wells authorized by rule"), which state the "protection of USDWs requires that the injection operation be regulated by requirements which are not contained in the rule."

Therefore, you are required to submit a permit application for the referenced well to the EPA's Osage UIC Office in Pawhuska no later than 45 days after the date you receive this letter. Permit application materials are enclosed for your use. All information in the application and as listed in the regulations (40 CFR 147.2918, "Permit application information") must be submitted.

Additionally, UIC program regulations (40 CFR 147.2903 "Prohibition of unauthorized injection") state "no owner or operator shall construct, operate, maintain, convert, plug, or abandon any injection well....in a manner that allows movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation...or may adversely affect the health of persons." The UIC regulations (40 CFR 147.2918, "Permit application information") also state, "the applicant has the burden to show the proposed injection activities will not endanger USDWs."

In accordance with UIC program regulations (40 CFR Part 147.2915(a)(2)), EPA is requiring additional information to be submitted for use in EPA's permitting decision process. Within 30 days of receipt of this letter you are required to begin daily monitoring of injection pressure and injection rate, and indicate whether operations are on a continuous or cyclic basis. You are required to submit such information to EPA on a weekly basis until a final permit decision becomes effective, at which time you must follow the condition of your permit. EPA will provide you further information on the format, method of submittal, and to whom submittal shall be made. Also, all pressure and rate data collected since your last annual report shall be included with your permit application. This will not affect your obligation for monthly monitoring and reporting under 40 CFR 147.2913.

You are currently authorized by rule to conduct injection operations at this well. However, UIC regulations (40 CFR 147.2915(c)) state, "Injection is no longer authorized by rule upon the effective date of a permit or permit denial, or upon failure of the owner/operator to submit an application in a timely manner as specified" in this notice. Upon termination of authorization by rule, use of the well for fluid injection would be prohibited except under a permit.

If you have any questions, or would like to discuss this decision, please contact Phil Dellinger in our Dallas office at (214) 665-8324. If you need additional information or assistance in preparing your permit application, please contact the Osage UIC office in Pawhuska at (918) 287-5333.

Sincerely yours,

William K. Honker, P.E., Director

Water Division

**Enclosures** 

cc: with enclosures
BIA, Minerals Branch
Osage UIC Office

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920\_\_18 of 174

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 12, 2013



Mr. Willie Lane
U. S. Environmental Protection Agency
Region 6, 6EN-WR, Water Resource Section
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Annual Well Monitoring Reports

OS0920000, 0921000, 0929000,5133000, 4092000, 5077000, 5278000

Dear Mr. Lane:

As requested in your letter dated April 2, 2012, please find enclosed the above referenced Annual Well Monitoring Reports. These reports cover the period of April 2012 through March 2013.

Sincerely,

THELINK OIL COMPANY

Robert B. Lyon,

President

RBLjr/mr

**Enclosures** 

Cc:

U. S. EPA

P. O. Box 1495

Bird Creek - Osage County, Oklahoma

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

19 of 174

April 24, 2012

Mr. Willie Lane
U. S. Environmental Protection Agency
Region 6, 6EN-WR, Water Resource Section
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Annual Well Monitoring Report

Dear Mr. Lane:

As requested in your letter dated April 4, 2012, please find the enclosed Annual Well Monitoring Report for The Link Oil Company. These reports cover the period of April 2011 through March 2012.

Sincerely,

THE LINK OIL COMPANY

Robert B. Lyon, J

President

RBLjr/mr

**Enclosures** 

Cc:

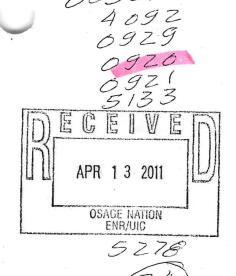
U.S. EPA

P. O. Box 1495

#### THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 12, 2011



Mr. Willie Lane, Jr.
U. S. Environmental Protection Agency
Region 6, 6EN-WR, Water Resources Section
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RE: Annual Well Monitoring Report

Dear Mr. Lane:

As requested in your letter dated April 1, 2011, please find enclosed the Annual Well Monitoring Reports for The Link Oil Company. These reports cover the period of April 2010 through March 2011.

Sincerely,

THE LINK OIL COMPANY

Robert B. Lyon, President

RBLjr/mr

Enclosure

cc: U. S. EPA

P. O. Box 1495

Bird Creek - Osage County, Oklahoma

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 12, 2011

Mr. Willie Lane, Jr. U. S. Environmental Protection Agency Region 6, 6EN-WR, Water Resources Section 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202-2733

RE: Annual Well Monitoring Report

Dear Mr. Lane:

As requested in your letter dated April 1, 2011, please find enclosed the Annual Well Monitoring Reports for The Link Oil Company. These reports cover the period of April 2010 through March 2011.

Sincerely,

THE LINK OIL COMPANY

Robert B. Lyon, President

RBLjr/mr

Enclosure

U.S. EPA CC:

P. O. Box 1495

7-B7\_OS0920 22 of 174

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 7, 2009

Mr. Jerry Saunders, Chief Water Resource Section (6EN-WR) **Environmental Protection Agency** 1445 Ross Avenue Dallas, Texas 75202-2733

RE: Annual Well Operations Reports

Dear Mr. Saunders:

As requested in your letter dated April 1, 2010, please find enclosed the Annual Operations Reports for The Link Oil Company. These reports cover the period of April 2009 through March 2010.

Sincerely,

THE LINK OIL COMPANY

Robert B. Lyon, J

President

RBLjr/mr

Enclosure

CC:

U. S. EPA Osage UIC

P. O. Box 1495

Pawhuska, Oklahoma 74056

3£)

#### THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 9, 2008

Mr. Jerry Saunders Chief, Water Resources Section (6EN-WR) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202

RE: Annual Well Operations Reports

Dear Mr. Saunders:

Mary Beth Wing

As requested in your letter of March 31, 2008, enclosed are Annual Well Operation Reports for The Link Oil Company for the period April, 2007 through March, 2008.

Sincerely,

/mbw

Encl..

cc:

U.S. Environmental Protection Agency

Osage UIC

P. O. Box 1495

Pawhuska, OK 74056

Mary Bith Wing

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 24 of 174

THE LINK OIL COMPANY
427 SOUTH BOSTON, SUITE 1000

TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 9, 2007

Mr. Jerry Saunders Chief, Water Resources Section (6EN-WR) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202

RE: Annual Well Operations Reports

Dear Mr. Saunders:

As requested in your letter of March 30, 2007, enclosed are Annual Well Operation Reports for The Link Oil Company for the period April, 2006 through March, 2007.

Sincerely,

Mary Beth Wing

/mbw Encl.

cc:

U.S. Environmental Protection Agency

Osage UIC P. O. Box 1495

Pawhuska, OK 74056

May Bith Wing

7-B7\_OS0920 25 of 174

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1000 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 8, 2005

Mr. Jerry Saunders U.S. Environmental Protection Agency Region 6, UIC Section (6EN-WO) 1445 Ross Avenue, Suite 1200 Dallas, TX 75202-2733

RE: Annual Well Operation Reports

Dear Mr. Saunders:

As requested in your letter of March 31, 2005, enclosed are Annual Well Operation Reports for The Link Oil Company for the period April, 2004 through March, 2005.

Mary Bith ling

Mary Beth Wing

/mbw Encl.

Cc: Norma Pinney
US EPA
Osage UIC
P. O. Box 1495
Pawhuska, OK 74056

MAY 2 6 2805

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 26 of 174

IMAGING ROOM RECEIVED

2005 MAY 24 PM 3: 59

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7 OS0920 27 of 174

Inventory :

OS0920, OS0921, OS0929, OS4092, OS5077, OS5133, OS5278

Scan Code: 33

JUL 24 2002

REPLY TO: 6EN-WO

The Link Oil Company 427 South Boston STE 1408 Tulsa, OK 74103

Re: Second Notice of Required Annual Well Operation Report-

See Enclosed List of Applicable Wells

Dear Operator:

Previously, we notified you of annual reporting requirements of the Osage Underground Injection Control (UIC) regulations. To date, we have not received required reports for each well listed on Enclosure 1. Please submit overdue annual operation reports to this office within 30 days after the date of this letter. The report must include the information on the enclosed form. You can use the enclosed forms to complete the report or any other format that includes required data. Be sure to correct any information that has changed (e.g.; owner/operator, address, etc.).

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 30 days, as required.

If you have any questions or if you already submitted the required reports, contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders Chief AR/LA/OK NPDES (UIC) Section

Enclosures

bcc: BIA, Minerals Branch
Osage UIC Office

6EN-WO:dselgrat:7-02:code K

W/24/02

# ENCLOSURE 1 WELLS WITH OVERDUE REPORTS

Inventory No.	Well No.	Location-Osage County, Oklahoma
OS0920	B7-D	SE/4, Sec.01, T 27N, R 07E
OS0921	B-8	SE/4, Sec.01, T 27N, R 07E
OS0929	C-W4	NE/4, Sec.12, T 27N, R 07E
OS4092	3-B	NE/4, Sec.16, T 28N, R 10E
OS5077	11	SE/4, Sec.16, T 28N, R 10E
OS5133	9B	SE/4, Sec.01, T 27N, R 07E
OS5278	8	SE/4, Sec.20, T 28N, R 10E

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Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 29 of 174

October 3, 2017

IMAGING ROOM RECEIVED

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ng 345 ...

UEI'Bird Creek - Osage County, Oklahoma

7-B7-Q80920 r-30 of 174 055278 555 5077 920 5133 921 3278 929 (34) 4092

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1408 THESA, OKLAHOMA 74103-4146 (918) 585-8343

March 8, 2002

U.S. Environmental Protection Agency c/o Norma
P. O. Box 1495.
Pawhuska, OK 74056

RE: Annual Well Operations Reports

Dear Norma:

Please find enclosed the Annual Well Operations Reports for The Link Oil Company operated wells. As discussed previously, inventory #0S5278000 (Osage J-8) and inventory #0S5077000 (Osage F-11) have listed an incorrect ownership. I have made the appropriate corrections so that you may update your files accordingly.

Thank you for your halp in proceeding these reports.

Shacerely,

Robert B. Lyon, Jr.

RBLjr/mbw Encls. October 3, 2017 Bird Creek - Osage County, Oklahoma

part solution

新聞, (新聞的報, 古家寶) 建筑岩层的 2020年 100年 100

7-B7\_OS0920 31 of 174

AUG 3 9-2003

ন্ধানিক দিন্ত বিশ্বস্থা বিশ্বস্থানিক সম্প্ৰদানিক কৰিছে কৰিছে বিশ্বস্থানিক সম্প্ৰদানিক কৰিছে কৰিছে বিশ্বস্থানিক কৰিছে কৰিছে বিশ্বস্থানিক কৰিছে ক MAGING ROOM

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7-B7\_OS0920 32 of 174

#### THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1408 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 17, 2001

APR 23 2001

U.S. Environmental Protection Agency c/o Norma P. O. Box 1495 Pawhuska, OK 74056

Annual Well Operation Reports

Dear Norma:

Enclosed are Annual Well Operation Reports for The Link Oil Company operated wells, including those previously acquired from Producers Oil Company. As discussed, we would appreciate your assistance in getting the owner name changed from Producers to Link.

If we may be of any help, please let us know.

Sincerely,

Beth Wing Mary Beth Wing

/mbw Enc1s Bird Creek - Osage County, Oklahoma

October 3, 2017

7-B7\_OS0920 33 of 174

IMAGING ROOM RECEIVED 2001 OCT - 1 AN 10: 48



### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733 05 0920

JUL 27 2000

REPLY TO: 6EN-WO

The Link Oil Company 427 South Boston STE 1408 Tulsa, OK 74103

Re: Second Notice of Required Annual Well Operation Report-See Enclosed List of Applicable Wells

Dear Operator:

Previously, we notified you of annual reporting requirements of the Osage Underground Injection Control (UIC) regulations. To date, we have not received required report(s) for each well listed on Enclosure 1. Please submit overdue annual operation report(s) to this office within 30 days after the date of this letter. The report must include the information on the enclosed form as well as any information required by the UIC permit for a well. You can use the enclosed form(s) to complete the report or any other format that includes required data. Be sure to correct any information that has changed (e.g.; owner/operator, address, etc.).

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual report(s), within 30 days, as required.

If you have any questions or if you already submitted the required report, contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders

AR/LA/OK NPDES (UIC) Section

Enclosure(s)

JS 7-27-00 K

1/31/go

## WELLS WITH OVERDUE REPORTS

Inventory No.	Well No.	Location-Osage County, Oklahoma
OS0920		SE/4, Sec.01, T 27N, R 07E
OS0921	B-8	SE/4, Sec.01, T 27N, R 07E
OS0929	C-W4	NE/4, Sec.12, T 27N, R 07E
OS4092	3-B	NE/4, Sec.16, T 28N, R 10E
OS5077	11	SE/4, Sec.16, T 28N, R 10E
OS5133	9B	SE/4, Sec.01, T 27N, R 07E
OS5278	8	SE/4, Sec.20, T 28N, R 10E

October 3, 2017

Bird Creek - Osage County, Oklahoma

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00 SEP 19 AM 10: 35

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 37 of 174

THE LINK OIL COMPANY

**427 SOUTH BOSTON, SUITE 1408** TULSA, OKLAHOMA 74103-4146 US EPA DALLAS, TEXAS (918) 585-8343

April 4, 1996

RECEIVED

AR/LA/GK APCES SEC.

1996 APR -8 P 2: 35

Mr. Jerry Saunders AR/LA/OK NPDES (UIC) Section (6EN-WO) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202

RE: Annual Well Operation Report

Dear Mr. Saunders:

As requested in your letter of March 29, 1996, enclosed are Annual Well Operation Reports for The Link Oil Company's wells B7-D, B-8, 9B and C-W4 for the period of April, 1995 through March, 1996.

Sincerely,

THE LINK OIL COMPANY

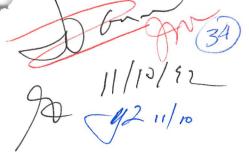
Tay Beth Wing Mary Beth Wing

/mbw Encls.

#### THE LINK OIL COMPANY

1408 PHILTOWER BUILDING TULSA, OKLAHOMA 74103 (918) 585-8343

November 5, 1992



United States Environmental Protection Agency Region 6 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202-2733

RE: Amended Annual Disposal/Injection Well Monituring Report, Well #9B

Attention: Mr. Robert Quance

Dear Mr. Quance:

Per our telephone conversation November 4, 1992, we are enclosing an amended report on the above referenced well.

Very truly yours,

THE LINK OIL COMPANY

By All Mineback

/b1

enc 1



#### COMPLIANCE REVIEW FORM

Reviewer:	Kon Van Wyk	Inventory No.:	050920	
Date:	5-23-91	Well No.:	B7-D	al i

Well Type: Disposal/EOR/Dual Completion Well Status: Active/Inactive Authorization: Rule/Permit

I. FINANCIAL RESPONSIBILITY

AREA TYPE	Single Lease	County Wide	Nation Wide	Amount
Bond				
Letter of Credit				
Certificate of Deposit			18 H. 11 9 Lb 11	0561311
Other (Shown in Comments)				

Unaddressed Violations:	

#### II. MECHANICAL INTEGRITY

	Date(s)	Method	Results
Technical Review	2-11-86		Pars
Field Test	7-21-86	3	Fail
-	1-5-87	B	Pass
			-
			***
1 to 45°			- 64

onadar e 3 3 e d	Violations.	 	 	 	 	

#### III. ANNUAL REPORTS

Auth	orized	Maximum Pressure (psi)	Maximum Volume (BBL/Mo)	Fluid Level (ft. Subsurface)
Due	Received	692	-	
4-85	4-10-85	6	31,343	
4-86	4-11-86	50	35,316	1100 y 100 y
4-87	4-16-87	\$20	30,169	7
4-88	4-13-88	10	31, 494	1000
4-89	4-26-89	0	30,613	
4-90	4-13-90	6	28,513	

4-9/ 4-10-9/ 3 28,777 Unaddressed Violations:

rinal: cations:	•	Violat	ion(s)	Authoriza					
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October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 41 of 174

Charles 12/22 RESPONSED PRANCE

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DEC 1 8 1986

EPA 6W-S

**REGION VI** 

#### THE LINK OIL COMPANY

1408 PHILTOWER BUILDING

#### TULSA, OKLAHOMA 74103

December 16, 1986



Mr. Oscar Cabra, Jr., P. E. Chief, Water Supply Branch (6W-S) U. S. Environmental Protection Agency Region VI 1201 Elm Street Dallas, Texas 75270

Re: Mechanical Integrity Test Failure

Inventory No.: 0920

Well No.: B7-D

Location: SE/Qtr.; Sec. 1; Twp. 27N; Range 7E

Osage County, Oklahoma

Dear Sir:

We wish to ask for a 30 day extension to repair our B7-D well. We are prepared to repair this well but there has been so much rain in Osage County in the last three months and lately in the past week, that we can't get heavy equipment to the well without spending an exorbitant amount of money on our lease road. The AFE on B7-D is \$16,000 to make repairs in order that B7-D well pass the integrity test. To rock the lease road to our B7-D disposal well would cost half again this amount under the present wet and muddy conditions.

Under program regulations (40 CRF 147.2912(a) (1) we are required to have this work done by December 25, 1986. I hope under these circumstances, you will be able to give us some relief.

Sincerely yours,

THE LINK OIL COMPANY

Robert B. Lyon

President

RBL:hg

cc: EPA - Pawhuska, Oklahoma

SEP 2 5 1986

Certified Mail - Return Receipt Requested

UNI

The Link Oil Company 1408 Philtower Bldg. Tulsa, OK 74103

Re: Mechanical Integrity Test Failure

Inventory No.: 0920

Well No.: B7-D

Location: SE/Qtr.; Sec. 1; Twp. 27N; Rnge. 7E

Osage County, Oklahoma

Dear Sir:

On July 21, 1986, the referenced injection well failed the mechanical integrity pressure test. Osage Underground Injection Control (UIC) program regulations [40 CFR 147.2912(a)(1)] require the well to have casing, tubing, and packer integrity. In addition, you must complete repairs and demonstrate mechanical integrity within 90 days of the date of this letter [40 CFR 147.2912(c)]. If you do not demonstrate mechanical integrity by the time specified, you will be required to cease injection until mechanical integrity is demonstrated.

Violation of any of the above requirements constitutes violation of the Safe Drinking Water Act, as amended (42 U.S.C. S300f et. seq.), which provides for fines of up to \$25,000 per day per violation.

Please contact the Osage UIC office at (918) 287-4041 to schedule a retest of this well, or if you have any questions concerning this letter.

Sincerely yours,

Oscar Cabra, Jr., P.E. Chief, Water Supply Branch (6W-S)

cc: BIA, Minerals Branch Osage UIC Office

	CONCURRENCES										
SYMBOL	hoof	1640									
SURNAME	6W-SE: LOMA	X:ng:9/3/86	:x2775:Disk	:Nettie's/	#8 E	nfor	cement	Ac	cion:	G	
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EPA Form 1	1320-1 (12-70)	1							(	OFFICIA	AL FILE COPY

October 3, 2017

Bird Creek - Osage County, Oklahoma

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#### THE LINK OIL COMPANY

1408 PHILTOWER BUILDING

TULSA, OKLAHOMA 74103

February 5, 1986

RECEIVED?

43 of 174

7-B7\_OS0920

FEB 7 3 41 AM '86

EPA REGION VI OFFICE OF REGIONAL ADMINISTRATOR

U. S. Environmental Protection Agency Region VI 1201 Elm Street Dallas, Texas 75270

Re: UIC Annual Operating Report

Gentlemen:

Enclosed are the above subject forms which we received February 4, 1986.

Yours very truly,

THE LINK OIL COMPANY

By Helm J. Dreen

/hg

Encs.

RECEIVED FEB 1 0 1986 EPA 6W-S REGION V

(34)

#### THE LINK OIL COMPANY

703 PHILTOWER BUILDING

TULSA, OKLAHOMA 74103

January 18, 1985

Mr. Charles Ellis KWB Oil Property Management 320 South Boston Tulsa, Oklahoma 74103

Dear Charlie:

Enclosed is a copy of Form #2047 that was sent to our office for verification. This pertains to the well that you now own and operate for disposal purposes in the SW  $\frac{1}{4}$  Section 27-25N-9E.

I have notified Barbara Brown that I am forwarding this verification form to KWB.

Yours yery truly

Robert B. Lyon

RBL:hg

Enc.

RECEIVED

JAN21 1985

BEGION WI

CUITY



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

March 31, 2017

WARREN AMERICAN OIL COMPANY 6585 S.Yale, Ste 800 TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

050920 0921 5133

4092

5278

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

Mr. Hillol Ray Water Resources Section (6EN-WR) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202-2733

If you prefer, you may submit the report(s) as an attachment with an e-mail to: ray.hillol@epa.gov; or, via fax # 214-665-2168 (Attention: Mr. Hillol Ray).

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Hillol Ray of my staff, at 214-665-7502.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

March 31, 2016

6585 S. Yale, Ste 800 Tulsa, Ok7436

WARREN AMERICAN OIL COMPANY

P.O. BOX 470372 TULSA OK 74147 050920000

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

Mr. Chiu Foong
Water Resources Section (6EN-WR)
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733

If you prefer, you may submit the report(s) as an attachment with an e-mail to: foong.chiu@epa.gov; or, via fax # 214-665-2168 (Attention: Mr. Chiu Foong).

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Chiu Foong of my staff, at 214-665-9752.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section

Enclosure(s)

We promote compliance with Federal environmental regulations in partnership with our States and Tribes
Internet Address (URL) • http://www.epa.gov



0921

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

April 2, 2015

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

Ms. Emma Cornelius
Water Resources Section (6EN-WR)
Environmental Protection Agency
1445 Ross Avenue
Dallas, Texas 75202-2733

If you prefer, you may submit the report(s) as an attachment with an e-mail to: cornelius.emma@epa.gov. or, via fax # 214-665-2168 (Attention: Ms. Emma Cornelius).

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius of my staff, at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section





#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

April 3, 2014

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

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If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section

**Enclosures** 

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS TX 75202-2733

April 2, 2013

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re:

Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

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If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section

**Enclosures** 



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS TX 75202-2733

April 2, 2012

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

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If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS TX 75202-2733

April 1, 2011

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re:

Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

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If you have questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.

Chief

Water Resources Section

Enclosure



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

April 7, 2010

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re:

Annual Well Operation Report

Dear Operator:

Our April 1, 2010, letter concerning annual operating reporting requirements for injection wells in the North Quadrant of the Osage Mineral Reserve included incorrect annual report forms. We also failed to include forms for reporting static fluid levels for inactive injection wells. Enclosed with this letter are corrected annual report forms and reports for fluid level monitoring for selected wells. Please disregard this letter, if you already completed all required annual reports for the April 2009 through March 2010 reporting period. Otherwise, please discard the forms that you received previously and submit your reports using the enclosed forms. As always submit the reports to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.

We apologize for any inconvenience caused by our error. Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have questions.

Sincerely yours,

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Water Resources Section

**Enclosures** 



REGION 6 1445 ROȘS AVENUE, SUITE 1200 DALLAS, TEXAS 75202-2733

April 1, 2010

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103

Re:

Annual Well Operation Report

Dear Operator:

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Sincerely yours,

Jerry Saunders

Chief

Water Resources Section

Cam Port Wagner

Enclosure

October 3, 2017

Bird Creek - Osage County, Oklahoma

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54 of 174

#### TATES ENVIRONMENTAL PROTECTION

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 1 2009

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REPLY TO:

6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 **TULSA OK 74103** 

Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, 75202 within 30 days of the date of this letter.

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If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Water Resources Section

55 of 174



#### UNITED SAMES ENVIRONMENTAL PROTECTION ANCY

**REGION 6** 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 1 2008

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 **TULSA OK 74103** 

Annual Well Operation Report Re:

Dear Operator:

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If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

(Water Resources Section

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 0 2007

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA,OK 74103

Re: Annual Well Operation Report

Dear Operator:

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Sincerely yours,

(Water Resources Section



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 1 2006

REPLY TO: 6EN-WR

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA,OK 74103

Re: Annual Well Operation Report

Dear Operator:

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If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Chief

Water Resources Section





REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

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### REPLY TO: 6EN-WO

THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA,OK 74103

Re: Annual Well Operation Report

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If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

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October 3, 2017

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 1 2004

REPLY TO: 6EN-WO

THE LINK OIL CO 427 South Boston, Suite 1408 TULSA,OK 74103

Re: Annual Well Operation Report

Dear Operator:

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If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

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YAR/LA/OK NPDES (UIC) Section

Enclosure (s)

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REPLY TO: 6EN-WO

THE LINK OIL CO 427 South Boston, Suite 1408 TULSA,OK 74103

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Sincerely yours

Jerry Sauta

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

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October 3, 2017 Bird Cree

Bird Creek - Osage County, Oklahoma

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#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

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THE LINK OIL CO 427 South Boston, Suite 1408 TULSA,OK 74103

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AR/LA/OK NPDES (UIC) Section

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 65 of 174

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# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 30 2001

REPLY TO: 6EN-WO

THE LINK OIL CO 427 South Boston, Suite 1408 TULSA,OK 74103

Re: Annual Well Operation Report

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If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours

Jerry Saunders

AR/LA/OK NPDES (UIC) Section

Enclosures

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 67 of 174

October 3, 2017

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**REGION 6** 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

MAR 3 1 2000

REPLY TO: 6EN-WO

THE LINK OIL CO 427 South Boston, Suite 1408 TULSA, OK 74103

Annual Well Operation Report

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Sincerely yours,

Jerry Saunders

AR/LA/OK NPDES (UIC) Section

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 69 of 174

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October 3, 2017

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REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

March 31, 1999

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REPLY TO: 6EN-WO

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA,OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours

Terry Saunder

AR/LA/OK NPDES (UIC) Section

Enclosures

Bird Creek - Osage County, Oklahoma

grafiq ika giba unga<del>likan</del>ang mula danah malang ang palabahan

October 3, 2017

. Paratitati na a esti idali. Paratitati na ali idali. 7-B7\_OS0920 71 of 174

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REGION 6

1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

March 31, 1998

05

0920

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0929

5133

REPLY TO: 6EN-WO

B0779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely your

chief

AR/LA/OK NPDES (UIC) Section

Enclosure

October 3, 2017 Bird Creek - Osage County, Oklahoma 7-B7 OS0920 73 of 174

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7-B7\_OS0920 74 of 174

THE LINK OIL COMPANY

427 SOUTH BOSTON, SUITE 1408 TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 2, 1998

Mr. Jerry Saunders AR/LA/OK NPDES (UIC) Section (6EN-WO) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202

RE: Annual Well Operation Report

Dear Mr. Saunders:

As requested in your letter of March 31, 1998, enclosed are Annual Well Operation Reports for The Link Oil Company's wells B7-D, B-8, 9B and C-W4 for the period of March, 1998 through February, 1998.

Sincerely,

THE LINK OIL COMPANY

Mary Beth Cenig

/mbw Encls.



October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 75 of 174

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REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

March 31, 1997

OS 0920 0921 0929

REPLY TO: 6EN-WO

B0779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Chief

AR/LA/OK NPDES (UIC) Section

Enclosures

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 77 of 174

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# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 6

1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

March 29, 1996

B0779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

6EN-WO

Re: Annual Well Operation Report

Dear Operator:

REPLY TO:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e.g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e.g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.





REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

March 30,1995

DS 0930

REF\_Y TO: 6W-SE

DS 0921

50779

05 0929

THE LINK UIL CJ 1408 PHILTOWER SEDS TULSA OK 74153

055133

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency (-0 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to this office within 30 days after receipt of

A report form is enclosed for each of your injection wells for which a report is now due. The report form shows minimum data which must be reported for each well. The data may be submitted on another format (e.g.; computer printouts, etc.). However, you must submit, at a minimum, the same information shown on the enclosed form.

You may be required to submit data not shown on the form (e.g.; fluil production in the area). Therefore, before you complete the annual report, check the permit for each of your injection wells to be sure that you are reporting all information required. Failure to report all information required by a UIC permit for a well could result in enforcement action.

Make sure that the reported data can be supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books to show daily injection pressure and volume). Osage UIC regulations [40 CFR  $\S147.2913$ (e) and 147.22(d)] require that you retain monitoring records for at least three years. Also, reporting of information that cannot be supported by records may result in enforcement action. The Safe Drinking Water Act, as amended (42 USC  $\S300f$  et seq.) provides for civil and criminal enforcement for reporting inaccurate or false information. Monetary penalties of up to  $\S25,000$  per day of violation may be assessed.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Singerely yours,

Bernadine Gordon

Chief

Administrative Section (6W-SA)

Enclosures

cc: Osage UIC Office BIA, Minerals Office



REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733 (32)

REPLY TO: 6W-SE

B0779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103 050920 050921 050929 055133

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: UIC Administrative Section (6W-SA); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e.g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.

Thank you for doing your part in protecting the environment for current and future generations in Osage County. If you have questions, please contact Mr. Dale Selgrath at 214-655-8082.

Sincerely yours,

Bernadine Gordon

Chief

Administrative Section (6W-SA)

unadine Gordon

**Enclosures** 

cc: Osage UIC Office BIA, Minerals Branch





**REGION 6** 

1445 ROSS AVENUE. SUITE 1200 DALLAS, TEXAS 75202-2733

05 0920 05 0921 05 0929 05 5133

March 30, 1993

REPLY TO: 6W-SE

B 779

THE LINK LIL CO 1408 PHILTUKER BLDG TULSA UK 74143

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-8098 or the Osage UIC Office at 918-287-4041.

Sincerely yours

Gu<del>s Cha</del>yarria

Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office
BIA, Minerals Office



**REGION 6** 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733

05 0920

March 30, 1992

REPLY TO: 6W-SE

B0779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

Annual Well Operation Report

Dear Sir:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

> UIC Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041. ..

Sincerely yours,

UIC Permits and Enforcement Section (6W-SE)

Enclosures

Osage UIC Office cc:

BIA, Minerals Office

0921





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200 **DALLAS. TEXAS 75202-2733** 

0929 5/33 March 30, 1991

REPLY TO: 6W-SE

B0779

THE LINK DIL CO 1408 PHILTOWER BLDG TULSA UK 74103

Re: Annual Well Operation Report

Dear Sir:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

> UIC Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the en osed form. Tubing/casing annulus pressure monitoring is required only if yo choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

Chief UIC Permits and Enforcement Section (6W-SE)

**Enclosures** 

cc: Osage UIC Office BIA, Minerals Office





March 30, 1990

REPLY TO: 6W-SE

30779

THE LINK UIL CU 1408 PHILTUWER BLOG TULSA DK 74103

Re: Annual Well Operation Report

05 920

Dear Sir:

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05 929

05 5133

According to Osage Underground Injection Control (UIC) Program regulations operators of injection wells in Osage County, Oklahoma must submit annual operation reports to the Environmental Protection Agency [40 CFR  $\S\S147.2913(b)$  and 147.2922(b)]. Submit this report by April 30, 1990, to:

UIC Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

ATTN: Mr. Gus Chavarria

An appropriate report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR  $\S\S147.2912(a)(1)(ii)$  and 147.2920(b)(1)(ii)].

If you have questions, please contact Mr. Ray Leissner at (214) 655-7165 or the Osage UIC Office at (918) 287-4041.

Sincerely yours

Oscar Cabra, Jr., P.E.

Chief

Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office

BIA, Minerals Office

(32)



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI 1445 ROSS AVENUE, SUITE 1200 DALLAS, TEXAS 75202

MAR 3 1 1989

BU779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103 0929 5133 0920 0921

Re: Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Program regulations require Class II injection well operators to provide an annual operation report on each injection well to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. The injection pressure and rate must be monitored monthly and reported annually. Submit this report by April 30, 1989, to:

UIC Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733 ATTN: Mr. Gus Chavarria

A report form is enclosed for each injection well which you operate in Osage County, Oklahoma for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

Your cooperation in this matter is appreciated. If you have questions, please contact Ms. Thea Lomax at (214) 655-7165 or the Osage UIC Office at (918) 287-4041.

Sincerely yours,

Oscar Cabra, Jr. (P.E

Chief

Water Supply Branch (6W-S)

**Enclosures** 

cc: Osage UIC Office BIA Minerals Office October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7 OS0920

32 5

86 of 174

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE 1445 ROSS AVENUE DALLAS, TEXAS 75202

March 31, 1988

5/33 929

60779

THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

Re: Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Program regulations require Class II injection well operators to provide an annual operation report on each injection well to the Environmental Protection Agency [40 CFR  $\S\S147.2913(b)$  and 147.2922(b)]. The injection pressure and rate must be monitored monthly and reported annually. Submit this report by April 30, 1988, to:

UIC Permits/Enforcement Section (6W-SE)
U.S. Environmental Protection Agency
1445 Ross Avenue
Dallas, TX 75202-2733
ATTN: Mr. Gus Chavarria

A report form is enclosed for each injection well which you operate in Osage County, Oklahoma for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. John Walker in Dallas at (214) 655-7165 or the Osage UIC Office in Pawhuska at (918) 287-4041.

Sincerely yours,

scar Cabra, Jr. P.F.

Chief

Water Supply Branch (6W-S)

**Enclosures** 

cc: Osage UIC Office BIA Minerals Office

7-B7 OS0920 ENF 4 North

P-513 233 746 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL (See Reverse)

921 929

920



## UNITED STATES ENVIRONMENTAL PI 00

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE 1445 ROSS AVENUE DALLAS, TEXAS 75202

MAR 3 1 1987

REPLY TO: 6W-SE

Certified Mail #P513233746 - Return Receipt Requested

The Link Oil Company 703 Philtower Building Tulsa, OK 74103

Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Progra require each Class II injection well operator to provide ation report to the Environmental Protection Agency (40 and 147.2922(b)). The injection pressure and rate must monthly and reported annually. Please submit this report

Permits/Enforcement Section (6W-SE) U.S. Environmental Protection Agency 1445 Ross Avenue Dallas, TX 75202-2733

Attn: Mr. Gus Chavarria

An Annual Disposal/Injection Well Monitoring Report is due by April 30, 1987, for each well in Osage County, Oklahoma, listed on the enclosure. The data may be submitted on some other format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form.

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. Desi Crouther in Dallas at (214) 655-7165 or the Osage UIC office in Pawhuska at (918) 287-4041.

Sincerely yours,

Oscar Cabra.

Water Supply Branch (6W-S)

5/33 THE LINK OIL CO 703 PHILTOWER RLDG TULSA DK. Certified Fee Special Delivery Fee Restricted Delivery Fee Return Receipt showing to whom and Date Delivered Return Receipt showing to with Date, and Address of Delivery TOTAL Postage and Fees Form 3800, Postmark or Date MA界 客 1 1987 bS

P-513 233

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 88 of 174 Chapman B7

States Environmental Protection Agen **Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733



### Annual Disposal/Injection Well Monitoring Report

Operator:	WARREN	<b>AMERICAN</b>	OIL	COMPANY
-----------	--------	-----------------	-----	---------

P.O. BOX 470372 **TULSA OK 74147**  Owner: WARREN AMERICAN OIL COMPANY

P.O. BOX 470372 **TULSA OK 74147** 

State: OK

County: OSAGE

Inventory Number: OS0920000

**Qtr Section: SE** 

Section: 01

Township: 27N

Range: 07E

Lease Name

Surface Location: 990N/990W

Well Number

B7-D

**Well Activity** 

Month/Year

Apr 2016

May 2016

Jun 2016

Jul 2016

Aug 2016

Sep 2016

Oct 2016

Nov 2016

Dec 2016

Jan 2017

Feb 2017

Mar 2017

Disposal No. of Wells:

Ty	pe	of	Pe	rm	<u>it</u>
X	In	div	⁄idι	ıal	

Max PSIG

Injection Pressure

Avg PSIG

Total Vo Injec		Tubing-Casing Annulus Pressure (Optional Monitor)			
BBL	MCF	Min PSIG	Max PSIG		
10870					
5734	-				
5117					
4664					
<i>5</i> 850					
27647					
28223	V				
29460	7				
27713					
2111-1	1 *				

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

**Date Signed:** 

administrative asst. Dandra t

## 7-B7\_OS0920 89 of 174

Scan Code: 30

# **Well Inspection**

## Osage Nation / Environmental Protection Agency P. O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates		Dt/Tm Inspect	ted: 5/4/2017 9:55	:00 AM Duration: 1.0
Operator Representative: MATT ALLE	N .	Dt Scheduled:		_ Dt Op Notified
<u>G</u>	eneral Well Da	ta and Inspection In	<u>formation</u>	
Operator: WARREN AMERICAN OIL 7326 COUNTY ROAD 2420		Well Name/No.: LL #	7-B B7-D B7-D	Status:
BARNSDALL, OK 74002				Well Type: SWD
Phone: (918) 846-2293		Field Nm:	Lat/Ln	g: <u>36.845045</u> , -96.4983 G
	ROUTINE	W/MIT INSPECT	ΓΙΟΝ	
Purpose:	Responsible Comp	oany at Time of Inspect	ion: WARREN AM	MERICAN OIL COMPANY
Inspect No.: iJAY1712449784	Notification Type:			
Incident No.:	Date Letter Sent to	Owner:	Extension I	Date:
Comply No.:	Date Remedy Requ	uired:	Date Passed	d:
	Press	sures / Conditions		
Date Last MIT:5/4/2017			Γubing: <u>2.375</u> in.	USDW: 642 ft subsurf
Monitoring Device Elected:  Monitoring Device:  FLM Canister Pressure:  Lease Status:  Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):  Flowline Hooked Up?:  Y Injecting?:  ACTIVE WELL, HELD PRES		Fittings: Actual Pressure: How Determined?: Static Fluid Level: How Determined?: Injection Rate (bpd)	0 O	Max Pressure: 691  Min Req Press:
Evaluation: Name:		. ^	Reason: <u>SE</u>	Date: 5/4/2017  Received Date: 5/5/2017

## Mechanical Integrity Test Results

Casing or Annulus Pressure Test
Osage Nation / Environmental Protection Agency
P.O. Box 1495
Pawhuska, OK 74056

Inspector: J. Andrew Yates	Test Date: 05/04/2017 Test Time: 9:55 AM				
Operator Representative: MATT ALLEN	Date Report Sent to Operator:				
General Well Data					
Operator: WARREN AMERICAN OIL COMPANY -	Inventory Number: OS0920				
7326 COUNTY ROAD 2420	API Well No.: 35-113-34148-00-00				
BARNSDALL, OK 74002	Well Name/No.: WELL # 7-B B7-D				
	Location: SE 1 27N 7E 990N - 990W				
Phone: (918) 846-2293	Field name:				
Injection Interval: 2509 - 2526 USDW Bot: 642	Well Type: SWD				
Annulus Fluid Type: Concentric Pkr:	Packer Depth: 2437 Casing: 4.500 in. Tubing: #### in.				
Tubing and Annu	ulus Pressure Test Results				
Type of MIT: Std. Annulus Pres. Test	Test Reason: Other				
	ar Lining: Seal-tite Dual Time Since Ann Filled:Hrs				
Tubing Annulu	us Flowback Pressure Volume				
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressure</u>	re High: 235 psi				
Pre-Test:	psi   Mid:100psi2250ml				
Initial: 9:55 AM 60 235	psi   Low:20psi1500ml				
Mid: 10:10 AM 60 235	psi   End:0psi500ml				
Final: 10:25 AM 60 235	psi				
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure				
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)				
Fluid Level: Annulus Prs:psi	<u>Tubing</u> <u>Annulus</u>				
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft				
Failure Type:	Depth to Fluid Level: ft ft				
Failure Cause:	Fluid Column Height: ft ft				
Repair Due:	Specific Gravity of Fluid: 1.06 1.06				
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:				
Review Date: 05/09/2107	Required Test Pressure: psi psi				

**Additional Comments for Mechanical Integrity Test** 

EPA REQUEST MIT/TEST.

fassed

Received Date: 5/15/2017

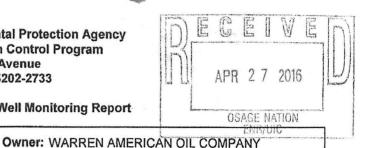
SCAN CODE: 28



Operator: WARREN AMERICAN OIL COMPANY

#### United States Environmental Protection Agency Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733





P.O. BOX 470372 TULSA OK 74147	P.O. BOX 470372 TULSA OK 74147				
State: OK County: OSAGE Qtr Section: SE Section: 01	Township: 27N	Range: 07E	Inventory Number: Surface Location:	OS0920000 990N/990W	
Well Activity Disposal No. of Wells:	Type of Permit Individual Area	Lease Name Charlinar	_Osage	<u>Well Number</u> B7-D	

	Inject Press		Total V Injec			sing Annulus otional Monitor)
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2015	50	100	30495			
May 2015	60	115	38569			
Jun 2015	100	200	21682			
Jul 2015	70	130	30927			
Aug 2015	80	150	34202			
Sep 2015	60	140	38214			
Oct 2015	60	130	39517			
Nov 2015	70	125	35981			
Dec 2015	80	100	34469			
Jan 2016	90	130	39340		*	
Feb 2016	50	115	40787			
Mar 2016	50	100	15097			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Nai	me and C	Official Title:	
M	ualy	Howel	1
		Clerk	

Signature:

Date Signed:

Mary &

4-19-16

Enterel

APR 1 6 2015

#### United States Environmental Protection Agency Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

## Annual Disposal/Injection Well Monitoring Report

Operator: WARREN AMERICAN OIL COMPANY

6585 SOUTH YALE AVE., SUITE 800

Section: 01

**TULSA OK 74136** 

Owner: WARREN-AMERICAN OIL COMPANY
6585 SOUTH YALE AVE.. SUITE 800

**TULSA OK 74136** 

State: OK

**Qtr Section: SE** 

County: OSAGE

Township: 27N

Range: 07E

Inventory Number: OS0920000

Surface Location: 990N/990W

**Well Activity** 

Type of Permit

Lease Name

Well Number

Disposal

No. of Wells:

X Individual
☐ Area

Chaquan - O Sage

B7-D

	Inject Press		Total V Injec			sing Annulus tional Monitor)
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2014	40	40	25219			
May 2014	40	40	26380	-		
Jun 2014	65	65	27931			
Jul 2014	65	70	23950			
Aug 2014	7.5	7.5	31083			
Sep 2014	50	75	28734			
Oct 2014	50	70	31986			
Nov 2014	170	70	29587		•	
Dec 2014	0,0	100	31176			
Jan 2015	75	100	27788	·		
Feb 2015	85	90	26020			
Mar 2015	80	90	31505			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

Many Lowell Tech

Mary D

02 4-14-1

Entoted

#### **United States Environmental Protection Agency Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733

## Annual Disposal/Injection Well Monitoring Report

Operator: WARREN AMERICAN OIL COMPANY

6585 SOUTH YALE AVE., SUITE 800

Section: 01

**TULSA OK 74136** 

APR 1 6 2015

Owner: WARREN-AMERICAN OIL COMPANY
6585 SOUTH YALE AVE

**TULSA OK 74136** 

State: OK

**Qtr Section: SE** 

County: OSAGE

Township: 27N

Range: 07E

Surface Location: 990N/990W

Inventory Number: OS0920000 Well Number

**Well Activity** 

Disposal No. of Wells: Type of Permit Individual

Area

Lease Name

Ilaquan - O Sage

**B7-D** 

	Inject Press		Total Vo			sing Annulus tional Monitor)
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2014	40	40	25219			
May 2014	40	40	26380			
Jun 2014	65	65	27931			
Jul 2014	65	70	23950			
Aug 2014	7.5	75	31083			
Sep 2014	50	75	2734	9		
Oct 2014	50	70	31986			
Nov 2014	70	70	29587		,	
Dec 2014	90	100	31176			
Jan 2015	75	100	27788			
Feb 2015	85	90	26020			
Mar 2015	80	90	31505	,		4

## CERTIFICATION

1 certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

**Date Signed:** 

## 7-B7\_OS0920 94 of 174

Scan Code: 30

# **Well Inspection**

## Osage Nation / Environmental Protection Agency P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens	Dt/Tm Inspected: <u>10/7/2014 10:05:00 AM</u> Duration: <u>1.0</u>
Operator Representative: JIM SNIVELY	Dt Scheduled: Dt Op Notified
General Well Da	ta and Inspection Information
7326 COUNTY ROAD 2420	Inventory No.: OS0920 API Well No. 35-113-34148-00-00 Well Name/No.: LL # 7-B B7-D B7-D Status:
BARNSDALL, OK 74002	Location: SE 1 27N 7E 990W - 990N Well Type: SWD
Phone: (918) 846-2293	Field Nm:Lat/Lng: <u>36.845045</u> , -96.4983 G
ROUTINE	W/MIT INSPECTION
Purpose: Responsible Comp	pany at Time of Inspection: WARREN AMERICAN OIL COMPANY
Inspect No.: <u>iLMS1430437003</u> Notification Type:	
	Owner: Extension Date:
Comply No.: Date Remedy Req	uired: Date Passed:
Pres	sures / Conditions
Date Last MIT: 10/7/2014 Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf
Monitoring Device Elected:	Tubing Annulus
Monitoring Device:	Fittings: Y Y AUTHORIZED
FLM Canister Pressure:	Actual Pressure: 80 0 Max Pressure: 691
Lease Status: Active Active	How Determined?: COMP OV Min Req Press:  Static Fluid Level: 0 Max Rate:
Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):	Static Fluid Level: 0 Max Rate: O  How Determined?: 0
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?
Injecting?: Y	injection rate (opa).
	Comments
Evaluation: Name:	Date: 1/. 75-14
Inspection Results:/_ Follo	ow-up: A Reason: Sec
Violation Code: None Frequen	cv: Received Date: 11/24/2014

## 7-B7\_OS0920 95 of 174

SCAN CODE: 28

## **Mechanical Integrity Test Results**

**Casing or Annulus Pressure Test** 

## Osage Nation / Environmental Protection Agency P.O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens	Test Date: <u>09/16/2014</u> Test Time: <u>9:30 AM</u>			
Operator Representative: NO SHOW	Date Report Sent to Operator:			
General Well Data				
Operator: WARREN AMERICAN OIL COMPANY -	Inventory Number: OS0920			
7326 COUNTY ROAD 2420	API Well No.: 35-113-34148-00-00			
BARNSDALL, OK 74002	Well Name/No.: WELL # 7-B B7-D			
	Location: SE 1 27N 7E 990N - 990W			
Phone: (918) 846-2293	Field name:			
Injection Interval: 2509 - 2526 USDW Bot: 642				
Annulus Fluid Type: Concentric Pkr:	Packer Depth: 2437 Casing: 4.500 in. Tubing: #### in.			
Tubing and Annul	ulus Pressure Test Results			
Type of MIT: Std. Annulus Pres. Test				
Inj. Status: N Inj. Rate: bpd Tubula	ılar Lining: Hrs			
<u>Tubing</u> <u>Annulu</u>	lus <u>Flowback</u> <u>Pressure</u> <u>Volume</u>			
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressure</u>	ure High: psi			
Pre-Test:	psi   Mid: psi ml			
Initial:	psipsiml			
Mid:	psi End: psi ml			
Final:	psi			
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure			
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)			
Fluid Level: Annulus Prs:psi	ii <u>Tubing</u> <u>Annulus</u>			
Test Result: Failure	Depth to Top Perf/Open Hole: ft ft			
Failure Type:	Depth to Fluid Level: ft ft			
Failure Cause:	Fluid Column Height: ft ft			
Repair Due:	Specific Gravity of Fluid: 1.06 1.06			
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:			
Review Date: <u>10/06/2014</u>	Required Test Pressure: psi psi			

**Additional Comments for Mechanical Integrity Test** 

NO CHANGE IN PACKER DEPTH; SCHEDULED 5
YEAR MIT---WAITED 1 HOUR AND NO SHOW BY
OPERATOR.

Received Date: 10/23/2014

## Mechanical Integrity Test Results

SCAN CODE: 28

# Casing or Annulus Pressure Test Osage Nation / Environmental Protection Agency P.O. Box 1495 Pawhuska, OK 74056

Inspector: Larry Stephens	Test Date: <u>10/07/2014</u> Test Time: <u>10:05 AM</u>
Operator Representative: JIM SNIVELY	Date Report Sent to Operator:
Gene	ral Well Data
Operator: WARREN AMERICAN OIL COMPANY -	Inventory Number: OS0920
7326 COUNTY ROAD 2420	API Well No.: 35-113-34148-00-00
BARNSDALL, OK 74002	Well Name/No.: WELL # 7-B B7-D
	Location: SE 1 27N 7E 990N - 990W
Phone: (918) 846-2293	Field name:
Injection Interval: 2509 - 2526 USDW Bot: 642	2 Well Type: SWD
Annulus Fluid Type: Concentric Pkr:	Packer Depth: 2437 Casing: 4.500 in. Tubing: ##### in.
Tubing and Annu	ılus Pressure Test Results
Type of MIT: Std. Annulus Pres. Test	Test Reason: 5-year Test
	lar Lining: Seal-tite Dual Time Since Ann Filled: Hrs
Tubing Annul	us Flowback Pressure Volume
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressu</u>	High: 230 psi
Pre-Test: 800	psi Mid: 100 psi 2500 ml
Initial: 10:05 AM 80 230	psi Low: 20 psi 1500 ml
Mid: 10:20 AM 80 230	psi End: 0 psi 300 ml
Final: 10:35 AM 80 230	psi   Total Volume:4300 ml
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)
Fluid Level: Annulus Prs: psi	Tubing Annulus
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft
Failure Type:	Depth to Fluid Level: ft ft
Failure Cause:	Fluid Column Height: ft ft
Repair Due:	Specific Gravity of Fluid: 1.06 1.06
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:
Review Date: <u>11/04/2014</u>	Required Test Pressure: psi psi

**Additional Comments for Mechanical Integrity Test** 

NO CHANGE IN PACKER DEPTH; 5 YEAR MIT---HELD PRESSURE OK.

Received Date: 11/24/2014

## 7-B7\_OS0920 97 of 174

Scan Code: 30

# **Well Inspection**

## Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

Inspector: Larry Stephens	Dt/Tm Inspected: <u>9/16/2014 9:30:00 AM</u> Duration: <u>2.0</u>
Operator Representative: NONE	Dt Scheduled: Dt Op Notified
General Well Da	ata and Inspection Information
Operator: WARREN AMERICAN OIL COMPANY	Inventory No.: <b>OS0920</b> API Well No. 35-113-34148-00-00
7326 COUNTY ROAD 2420	
	Location: SE 1 27N 7E 990W - 990N Well Type: SWD
Phone: (918) 846-2293	Field Nm:Lat/Lng: <u>36.845045</u> , -96.4983 G
ROUTINE	W/MIT INSPECTION
Purpose: Responsible Com	pany at Time of Inspection: WARREN AMERICAN OIL COMPANY
Inspect No.: iLMS1427544137 Notification Type	
	o Owner: Extension Date:
	quired: Date Passed:
Oh	served Items
Code Description	Date Rescheduled
14 No Show	
Pre	ssures / Conditions
Date Last MIT: 9/16/2014 Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf
	Tubing Annulus  Fittings: Y Y AUTHORIZED  Actual Pressure: -20 0 Max Pressure: 691  How Determined?: UIC OV Min Req Press:  Static Fluid Level: Max Rate:  How Determined?:  Injection Rate (bpd): How Rate Determined?  Comments  FOR 5 YEAR MIT; ARRIVE AT 09:30AM AND WAIT
UNTIL 10:30 AM. NO SHOW BY OPERAT	TOR WILL RESCHEDULE MIT WITH OPERATOR
Evaluation: Name:  Inspection Results: Follows	Date: 16.23.14  Dw-up: Proposition
Violation Code: Frequer	

## 7-B7\_OS0920 98 of 174

Scan Code: 30

# Well Inspection

## Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

spector: Larry Stephens Dt/Tm Inspected: 6/10/2014 4:00:00 PM Duration: 0.				
Operator Representative: NONE	Dt Scheduled: Dt Op Notified			
General Well Data and Inspection Information				
Operator: The Link Oil Company	Inventory No.: <b>OS0920</b> API Well No. 35-113-34148-00-00			
	Well Name/No.: LL # 7-B B7-D B7-D Status:			
	Location: SE 1 27N 7E 990W - 990N Well Type: SWD			
Phone: (918) 585-8343	Field Nm:Lat/Lng: 36.845045, -96.4983 G			
ROUTIN	E UIC INSPECTION			
Purpose: Status Check Responsible Comp	pany at Time of Inspection: The Link Oil Company			
Inspect No.: iLMS1416256372 Notification Type:				
	O Owner: Extension Date:			
Comply No.: Date Remedy Req				
Pres	sures / Conditions			
Date Last MIT: 9/16/2009 Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf			
Monitoring Device Elected:	Tubing Annulus			
Monitoring Device:	Fittings: Y Y AUTHORIZED			
FLM Canister Pressure:	Actual Pressure: 30 0 Max Pressure: 691			
Lease Status: Active	How Determined?: <u>COMP OV</u> Min Req Press:			
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:			
Barrel Fluid Level (%):	How Determined?:			
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?			
Injecting?: Y				
	Comments			
	Comments			
	RFACE RESTORATION. THIS WELL IS CURRENTLY			
	NEVER BEEN PLUGGED. THE WELL IS CONNECTED			
AND ACTIVELY INJECTING.				
Evaluation: Name:	Date: 6.23.14			
	ow-up: A Reason: See			
Violation Code: None Frequen				

## Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 99 of 174

Underground Injection Control Program
1445 Ross Avenue
Dallas, TX 75202-2733



#### Annual Disposal/Injection Well Monitoring Report

Operator: THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103			Owne	r: THE LINK OIL 427 SOUTH E TULSA OK 74	OSTON, SUITE	1000	
State: 0	K Cour	nty: OSAGE			Inventor	y Number: OS0	920000
Qtr Secti	ion: SE	Section: 01	Township: 27	'N Range: 0	7E Surface	Location: 990	N/990W
Dis	ell Activity sposal o. of Wells:		Type of Permit Individual Area	<u>CHAPMA</u>			<b>ell Number</b> 7-D
		Inject Press		Total Vo			sing Annulus tional Monitor)
М	onth/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
А	pr 2013	21	25	24,381	J.		
M	lay 2013	21	25	24,155			
Ju	un 2013	21	25	20,910			
Jı	ul 2013	21	25	24,383			
А	ug 2013	21	25	23,128			
S	ep 2013	21	25	19,331			,
0	oct 2013	16	25	20,824			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and	Official Title:
JOHN	Official Title: BURROUGHS
WA-1	AERATIONS

Nov 2013

Dec 2013

Jan 2014

Feb 2014

Mar 2014

Signature:	
Al Russon	/
Whi Kerrais	18

Date Signed:

#### 7-B7 OS0920 100 of 174

#### United States Environmental Protection Agendaria **Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733



## **Annual Disposal/Injection Well Monitoring Report**

Operator:	THE L	INK OI	L CO
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427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK

**County: OSAGE** 

**Inventory Number: OS0920000** 

**Qtr Section: SE** 

Section: 01

Township: 27N Range: 07E Surface Location: 990N/990W

**Well Number** 

Disposal

**Well Activity** 

No. of Wells: \_\_

**Type of Permit** x Individual

**Lease Name** 

B7-D

Area

Chapman-Osage

	Inject Press		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2012	Vacuum		25865	-		
May 2012	11		25993			
Jun 2012	11		22902			
Jul 2012	***		26824			
Aug 2012	11		25915			
Sep 2012	11		26330			
Oct 2012	11		26516			
Nov 2012	11		18906			
Dec 2012	77		22177			
Jan 2013	11		19404			
Feb 2013	11		15267			
Mar 2013	11		22417			

#### CERTIFICATION

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Name and Official Title:

Robert B. Lyon Jr.

President

**Date Signed:** 

April 12, 2013

## 7-B7\_OS0920 101 of 174

#### Uni\_\_\_ States Environmental Protection Agen\_\_\_\_\_ Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



#### **Annual Disposal/Injection Well Monitoring Report**

Operator:	THE LINK OIL CO	
operator.	THE LIMIT OIL OO	

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK County: OSAGE Inventory Number: OS0920000

Qtr Section: SE Section: 01 Township: 27N Range: 07E Surface Location: 990N/990W

Well ActivityType of PermitLease NameWell NumberDisposalx IndividualB7-DNo. of Wells: 4 AreaChapman

	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2011	Vacuum		23944			
May 2011	. 11		21969			
Jun 2011	11		22853			
Jul 2011	11		25616			
Aug 2011	11		23193			
Sep 2011	11		23056			
Oct 2011	11		24710			
Nov 2011	11		24715			
Dec 2011	11		24369			
Jan 2012	11		20600			
Feb 2012	lt.		26022			
Mar 2012	11		26127			

#### CERTIFICATION

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Name and Official Title:

Robert B. Lyon, Jr.

President

Date Signed:

April 24, 2012

## 7-B7\_OS0920 102 of 174

Scan Code: 30

# **Well Inspection**

## Osage Nation / Environmental Protection Agency P. O. Box 1495

P. O. Box 1495 Pawhuska, OK 74056

nspector: Larry Stephens Dt/Tm Inspected: 2/15/2012 3:30:00 PM Duration:				
Operator Representative: NONE	Dt Scheduled: Dt Op Notified			
General Well Data and Inspection Information				
Operator: The Link Oil Company	Inventory No.: <b>OS0920</b> API Well No. 35-113-34148-00-00			
427 South Boston - Ste 1000	Well Name/No.: LL # 7-B B7-D B7-D Status:			
Tulsa, Ok 74103	Location: SE 1 27N 7E 990W - 990N Well Type: SWD			
Phone: (918) 585-8343	Field Nm:Lat/Lng: 36.845045, -96.4983 G			
ROUTIN	E UIC INSPECTION			
Purpose: Compliance Responsible Comp	pany at Time of Inspection: The Link Oil Company			
Inspect No.: iLMS1204759167 Notification Type:				
Incident No.: Date Letter Sent to	Owner: Extension Date:			
Comply No.: Date Remedy Requ	uired: Date Passed:			
Drace	sures / Conditions			
Date Last MIT: Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf			
Monitoring Device Elected:	Tubing Annulus			
Monitoring Device:	Fittings: Y AUTHORIZED			
FLM Canister Pressure:	Actual Pressure: 30 0 Max Pressure: 691			
Lease Status: <u>Active</u>	How Determined?: <u>UIC</u> <u>OV</u> Min Req Press:			
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:			
Barrel Fluid Level (%):	How Determined?:			
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?			
Injecting?: Y				
	Comments			
PRIORITY LIST INSTRUCT TO CHECK FO	R SURFACE RESTORATION; THIS WELL HAD A			
	IS ON 11/17/2011. ON INSPECTION CONDUCTED ON			
02/15/2012 THE WELL IS ACTIVE AND INJ				
11. 18				
Evaluation: Name: Date: 2/29/12				
Inspection Results:/ Follo	1			
Violation Code: Nove Frequen	cy: _ <i>NR</i> Received Date: 2/28/2012			



Scan Code: 30

# **Well Inspection**

## Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

Inspector: Rick L. Davis	Dt/Tm Inspected: <u>11/17/2011 2:00:00 PM</u> Duration:			
Operator Representative: Charlie Sun	Dt Scheduled: Dt Op Notified			
General Well Data and Inspection Information				
Operator: The Link Oil Company	Inventory No.: <b>OS0920</b> API Well No. <u>35-113-34148-00-00</u>			
427 South Boston - Ste 1000	Well Name/No.: B7-D Status:			
Tulsa, Ok 74103	Location: SE 1 27N 7E 990W - 990N Well Type: SWD			
Phone: (918) 585-8343	Field Nm:Lat/Lng: <u>36.845045</u> , -96.4983 G			
PLUGGING-W	TITNESSED INSPECTION			
Purpose: Operator Request Responsible Comp	pany at Time of Inspection: The Link Oil Company			
Inspect No.: iUNK1132538103 Notification Type:				
	Owner: Extension Date:			
Comply No.: Date Remedy Req				
	sures / Conditions			
Date Last MIT: <u>9/16/2009</u> Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf			
Monitoring Device Elected:	Tubing Annulus			
Monitoring Device:	Fittings: N AUTHORIZED			
FLM Canister Pressure:	Actual Pressure: Max Pressure: 691			
Lease Status: Active	How Determined?: Min Req Press:			
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:			
Barrel Fluid Level (%):	How Determined?:			
Flowline Hooked Up?: N_	Injection Rate (bpd): How Rate Determined?			
Injecting?: N				
	Comments			
RIH to 2500' and snotted 20sy tagged @ 2350	', POH to 620' and circulated cement to surface.			
Kiri to 2500 and spotted 208x, tagged (a) 2550	, 1 Off to 020 and effectiated coment to surface.			
	vally 90 fW 12/12			
$\Lambda$	10/ 13901 7			
1/11	10 A 90 / W 1/10			
$\mathcal{U}'$	[2]			
	77 11			
Evaluation: Name:	Date: 11/28/11			
	ow-up: D Reason: Com			
Violation Code: None Frequency: LM Received Date: 11/23/2011				
Violation Code: None Frequency: EM  Check for restantion of purpled well  Received Date: 11/23/2011				
P	values we			

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2010	Vacuum		19029			
May.2010	11		17409			
Jun 2010	11		19673			
Jul-2010	11		20210			
Aug 2010	11		21527	<u>-</u>		
Sep 2010	11		21070			
Oct 2010	tt		21925			
Nov 2010	11		21098			
Dec 2010	ti		22022			
Jan 2011	ti		23068	•		
Feb 2011	11		17907			-
Mar 2011	11		24408			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry, of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title: Robert B. Lyon, Jr. President algnature:

Date Signed: April 12, 2011

#### U\_\_\_ed States Environmental Protection Ag\_\_\_\_y **Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733



#### Annual Disposal/Injection Well Monitoring Report

Operator: T	HE LINK	OIL CO
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427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK

County: OSAGE

Inventory Number: OS0920000

**Qtr Section: SE** 

Section: 01

Township: 27N

Range: 07E

Surface Location: 990N/990W

Well Number

Disposal

**Well Activity** 

No. of Wells:

**Type of Permit** 

Lease Name

B7-D

x Individual

Area

Chapman-Osage

	,		Total V Injed		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2010	Vacuum		19029			
May 2010	11		17409			
Jun 2010	11		19673		, , ,	
Jul 2010	11		20210	e e		7
Aug 2010	11		21527			N
Sep 2010	11	1	21070			A 24 B
Oct 2010	11		21925			
Nov 2010	11		21098			
Dec 2010	11		22022		~	
Jan 2011			23068			
Feb 2011	11	W	17907			
Mar 2011	TT.		24408		,	

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.

President

Date Signed:

April 12, 2011

#### d States Environmental Protection Ag Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



#### **Annual Disposal/Injection Well Monitoring Report**

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK **County: OSAGE** Inventory Number: OS0920000 **Qtr Section: SE** Section: 01 Township: 27N Range: 07E Surface Location: 990N/990W

**Well Activity Type of Permit Lease Name Well Number** x Individual Disposal B7-D No. of Wells: \_\_\_ Area Chapman Osage

	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 20 <sub>09</sub>	Vacuum		19537			
May 20 09	11		21161			
Jun 20 09	11		20903			
Jul 20 <sub>09</sub>	11		19667			
Aug 20 09	11		18521			
Sep 20 09	11		18635			
Oct 20 09	11		23657			· · · · · · · · · · · · · · · · · · ·
Nov 20 <sup>09</sup>	11	100000	20023			
Dec 20 09	y		22321			
Jan 20 10	11		21367			
Feb 2010	11		18493			
Mar 20 10	11		21638			

### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.

President



**Date Signed:** 

April 7, 2010

SCAN CODE: 28

## **Mechanical Integrity Test Results**

## **Casing or Annulus Pressure Test**

## Osage Nation / Environmental Protection Agency P.O. Box 1495

Pawhuska, OK 74056

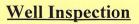
Inspector: Larry Stephens	Test Date: 09/16/2009 Test Time: 1:15 PM				
Operator Representative: KEVIN DIPBOY	Date Report Sent to Operator:				
Genera	al Well Data				
Operator: The Link Oil Company - 334	Inventory Number: OS0920				
427 South Boston - Ste 1000	API Well No.: 35-113-34148-00-00				
Tulsa, Ok 74103	Well Name/No.: B7-D				
	Location: SE 1 27N 7E 990N - 990W				
Phone: (918) 585-8343	Field name:				
Injection Interval: 2509 - 2526 USDW Bot: 642	Well Type: SWD				
Annulus Fluid Type: Concentric Pkr:	Packer Depth: <u>2437</u> Casing: <u>4.500</u> in. Tubing: <u>2.375</u> in.				
Tubing and Annul	us Pressure Test Results				
Type of MIT: Std. Annulus Pres. Test	Test Reason: Post Workover Test				
Inj. Status: N Inj. Rate: bpd Tubula	r Lining: Seal-tite Dual Time Since Ann Filled: Hrs				
Tubing Annulu Annulu	<u>Flowback</u> <u>Pressure</u> <u>Volume</u>				
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressure</u>	High: psi				
Pre-Test: 00	_psi   Mid:100psi1950ml				
Initial: 1:15 PM 0 220	_psi   Low:20psi1000ml				
Mid: 1:30 PM 0 220	_psi End:0psi500ml				
Final: 1:45 PM 0 220	_psi Total Volume: 3450 ml				
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure				
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)				
Fluid Level: Annulus Prs: psi	Tubing Annulus				
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft				
Failure Type:	Depth to Fluid Level: ft ft				
Failure Cause:	Fluid Column Height: ft ft				
Repair Due:	Specific Gravity of Fluid: 1.06 1.06				
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:				
Review Date: <u>10/01/2009</u>	Required Test Pressure: psi psi				

Additional Comments for Mechanical Integrity Test

HELD PRESSURE OK

Received Date: 10/6/2009

Scan Code: 30



## Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

	Dt/Tm Inspected: <u>9/16/2009 1:15:00 PM</u> Duration: <u>0.8</u>					
Operator Representative: <u>KEVIN DIPBOY</u>	Dt Scheduled: Dt Op Notified					
General Well Data and Inspection Information						
427 South Boston - Ste 1000	Inventory No.:       OS0920       API Well No.       35-113-34148-00-00         Well Name/No.:       B7-D       Status:         Location:       SE 1 27N 7E 990W - 990N       Well Type:       SWD         Field Nm:       Lat/Lng:       36.845045, -96.4983 G					
Purpose: Responsible Comp Inspect No.: iLMS0925959599 Notification Type: Incident No.: Date Letter Sent to Comply No.: Date Remedy Req	w/MIT INSPECTION  Doany at Time of Inspection: The Link Oil Company  Do Owner: Extension Date:  Duired: Date Passed:  Date Passed:					
Date Last MIT: 9/16/2009 Test Result:	Casing: 4.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf					
Monitoring Device Elected:  Monitoring Device:  FLM Canister Pressure:  Lease Status:  Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):  Flowline Hooked Up?:  Injecting?:  ACTIVE INJECTION WELL; HELD PRESSI	Tubing Annulus Fittings: Y Y AUTHORIZED Actual Pressure: 0 0 Max Pressure: 691 How Determined?: UIC UIC Min Req Press: Static Fluid Level: 0 Max Rate: How Determined?: 0 Injection Rate (bpd): How Rate Determined?  Comments  URE OK					
Evaluation: Name:						
Violation Code: None Frequen						

## **Well Inspection**

Scan Code: 30

## Osage Nation / Environmental Protection Agency P. O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>6/10/2008 11:30:00 AM</u> Duration: <u>0.2</u>
Operator Representative: <u>KEVIN, TRACY &amp; FRANK.</u>	Dt Scheduled: Dt Op Notified
General Well Da	ta and Inspection Information
Operator: The Link Oil Company	Inventory No.: OS0920 API Well No. 35-113-34148-00-00
	Well Name/No.: B7-D Status:
Tulsa, Ok 74103	Location: SE 1 27N 7E 990W - 990N Well Type: SWD
Phone: (918) 585-8343	Field Nm:Lat/Lng: <u>36.845045</u> , 96.4983 G
ROUTIN	E UIC INSPECTION
Purpose: Routine Periodic Responsible Comp	pany at Time of Inspection: The Link Oil Company
Inspect No.: iJAY0816838394 Notification Type:	
Incident No.: Date Letter Sent to	Owner: Extension Date:
Comply No.: Date Remedy Req	uired: Date Passed:
Pres	sures / Conditions
Date Last MIT: 10/18/2006 Test Result:	Casing: <u>5.500</u> in. Tubing: <u>2.375</u> in. USDW: <u>642</u> ft subsurf
Monitoring Device Elected:	Tubing Annulus
Monitoring Device:	Fittings: Y Y AUTHORIZED
FLM Canister Pressure:	Actual Pressure: 160 0 Max Pressure: 691
Lease Status: Active	How Determined?: <u>UIC</u> <u>UIC</u> Min Req Press:
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:
Barrel Fluid Level (%):	How Determined?:
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?
Injecting?: Y	
Comments	
ACTIVE WELL	
ACTIVE WELL.	
Evaluation: Name: Lund Flin	Date: 7/1/08
	w-up: A Reason: Sec
Violation Code: None Frequence	

#### Umed States Environmental Protection Agrany **Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733

#### **Annual Disposal/Injection Well Monitoring Report**

O	pera	tor:	THE	LINK	OIL	CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK

**County: OSAGE** 

Inventory Number: OS0920000

**Well Number** 

**Qtr Section: SE** 

Section: 01

Township: 27N Range: 07E Surface Location: 990N/990W

Disposal

**Well Activity** 

**Type of Permit** 

**Lease Name** 

**B7-D** 

No. of Wells:\_

Individual Area

Chapman-Osage

	Inject Press			Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month/Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
Apr 2007	Vacuum,		20214				
May 2007	11		20847				
Jun 2007	11		20832				
Jul 2007	11	·	20820				
Aug 2007	11		22317				
Sep 2007	11		20109				
Oct 2007	11		21226				
Nov 2007	11		21625				
Dec 2007	11		21878				
Jan 2008	11		20609				
Feb 2008	11		19135				
Mar 2008	11		21056				

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.

President

**Date Signed:** 

4/9/08



7-B7 OS0920 112 of 174

#### Un States Environmental Protection Ager. **Underground Injection Control Program** 1445 Ross Avenue Dallas, TX 75202-2733

#### **Annual Disposal/Injection Well Monitoring Report**

Operator: 7	HE LINK	OIL CO
-------------	---------	--------

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**Inventory Number:** OS0920000

**TULSA OK 74103** 

State: OK Qtr Section: SE

County: OSAGE

Section: 01

Township: 27N

Range: 07E

Surface Location: 0990N-0990W

**Well Activity DISPOSAL** 

No. of Wells: 4

Type of Permit

**Lease Name** 

Well Number B7-D

X Individual

Area

Chapman-Osage

#### North Quadrant Reporting Form

	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)		
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2006	Vacuum		16167			
May	2006	11		18890			•
Jun	2006	11		18502			22
Jul	2006	11		21886			
Aug	2006	11		21907			
Sep	2006	11		20604			
Oct	2006	11		21501			
Nov	2006	11	8	15978			
Dec	2006	11	ats.	19256			
Jan	2007	11		18976	,		
Feb	2007	11		16284			E
Mar	2007	11		19824		,	

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.,

President

Signature:

**Date Signed:** 

4/5/07

4-16-07

# **Well Inspection**

### Scan Code: 30 Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates	Dt/Tm Inspected: <u>10/18/2006 11:30:00 AM</u> Duration: <u>0.8</u>				
Operator Representative: TRACY KENNEDY	Dt Scheduled: Dt Op Notified				
General Well Data and Inspection Information					
Operator: THE LINK OIL COMPANY	Inventory No.: OS0920 API Well No. 35-113-34148-00-00				
	Well Name/No.: B7-D Status:				
TULSA, OK 74103	Location: SE 1 27N 7E 990W - 990N Well Type: SWD				
Phone: (918) 585-8343	Field Nm: Lat/Lng: <u>36.845045</u> , 96.4983 G				
ROUTINE	W/MIT INSPECTION				
Purpose: Routine Periodic Responsible Com	pany at Time of Inspection: THE LINK OIL COMPANY				
Inspect No.: <u>iJAY0629640928</u> Notification Type					
Incident No.: Date Letter Sent t	o Owner: Extension Date:				
Comply No.: Date Remedy Rec	quired: Date Passed:				
Pres	ssures / Conditions				
	Casing: <u>5.500</u> in. Tubing: <u>2.375</u> in. USDW: <u>642</u> ft subsurf				
Monitoring Device Elected:	Tubing Annulus				
Monitoring Device:	Fittings: Y Y AUTHORIZED				
FLM Canister Pressure:	Actual Pressure: 0 0 Max Pressure: 691				
Lease Status: Active	How Determined?: <u>UIC</u> <u>UIC</u> Min Req Press:				
Barrel Monitor Hooked Up?:	Static Fluid Level: 0 Max Rate:				
Barrel Fluid Level (%):	How Determined?: O				
Flowline Hooked Up?: Y	Injection Rate (bpd): How Rate Determined?				
Injecting?: Y					
Comments					
A CHILLY IN A VIEW D. DD TOOM D. O.V.					
ACTIVE WELL, HELD PRESSURE-OK.					
Evaluation: Name:	Date: 11/2/06				
Inspection Results: Follow					
Violation Code: None Frequen					

7-B7\_OS0920 114 of 174

SCAN CODE: 28

# \_\_echanical Integrity Test Results

# Casing or Annulus Pressure Test Osage Nation / Environmental Protection Agency

P.O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates	Test Date: <u>10/18/2006</u> Test Time: <u>11:30 AM</u>
Operator Representative: TRACY KENNEDY	Date Report Sent to Operator:
Gener	ral Well Data
Operator: THE LINK OIL COMPANY - 334	Inventory Number: OS0920
427 SOUTH BOSTON - STE 1000	API Well No.: 35-113-34148-00-00
TULSA, OK 74103	Well Name/No.: B7-D
	Location: SE 1 27N 7E 990N - 990W
Phone: (918) 585-8343	Field name:
Injection Interval: 2528 - 2534 USDW Bot: 642	Well Type: SWD
Annulus Fluid Type: Concentric Pkr: -	
Tubing and Annul	us Pressure Test Results
Type of MIT: Std. Annulus Pres. Test	
	ar Lining: Seal-tite Dual Time Since Ann Filled: Hrs
Tubing Annulu	s Flowback Pressure Volume
<u>Time</u> <u>Pressure</u> <u>Time</u> <u>Pressur</u>	<u>e</u> High: 200 psi
Pre-Test: 0 0	_psi   Mid: 100 psi 2000 ml
Initial: 11:30 AM 0 200	psi Low: 20 psi 1500 ml
Mid: 11:45 AM 0 200	psi End: 0 psi 500 ml
Final: 12:00 PM 0 200	psi Total Volume: 4000 ml
Casing/Tubing Annulus Monitoring	ADA Pressure Test - Required Test Pressure
Device:	(Fluid Column Ht * Specific Gravity * .433 / N2 Wt Fac = Required Test Pressure)
Fluid Level: Annulus Prs: psi	Tubing Annulus
Test Result: Acceptable	Depth to Top Perf/Open Hole: ft ft
Failure Type:	Depth to Fluid Level: ft ft
Failure Cause:	Fluid Column Height: ft ft
Repair Due:	Specific Gravity of Fluid: 1.06 1.06
Engineer Signature: Rick L. Davis	Nitrogen Weight Factor:
Review Date: 12/07/2006	Required Test Pressure: psi psi

**Additional Comments for Mechanical Integrity Test** 



Received Date: 12/12/2006

Scan Code: 30

# **Well Inspection**

# Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates Operator Representative: TRACY & KEVIN	Dt/Tm Inspected:         9/5/2006 12:00:00 PM         Duration:         0.2           Dt Scheduled:         Dt Op Notified
	nta and Inspection Information
Operator: THE LINK OIL COMPANY 427 SOUTH BOSTON - STE 1000	Inventory No.: OS0920 API Well No. 35-113-34148-00-00         Well Name/No.: B7-D       Status:         Location: SE 1 27N 7E 990W - 990N       Well Type: SWD         Field Nm:
	E UIC INSPECTION
Purpose: Routine Periodic  Inspect No.: iJAY0625438576  Incident No.: Date Letter Sent to Date Remedy Requirements Purpose: Date Remedy Rem	pany at Time of Inspection: THE LINK OIL COMPANY  Extension Date:  Date Passed:
	Casing: <u>5.500</u> in. Tubing: <u>2.375</u> in. USDW: <u>642</u> ft subsurf
Monitoring Device Elected:  Monitoring Device:  FLM Canister Pressure:  Lease Status:  Barrel Monitor Hooked Up?:  Barrel Fluid Level (%):  Flowline Hooked Up?:  Y  Injecting?:  Y  Comments	Tubing Annulus  Fittings: Y Y AUTHORIZED  Actual Pressure: -21 0 Max Pressure: 691  How Determined?: UIC UIC Min Req Press:  Static Fluid Level: Max Rate:  How Determined?: How Rate Determined?
Evaluation Names Evaluation	Fan Je Date: 9/14/06
Evaluation: Name:	
Violation Code: None Frequen	ow-up: A Reason: Set Received Date: 9/14/2006

Bird Creek - Osage County, Oklahoma

ed States Environmental Protection Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

# Annual Disposal/Injection Well Monitoring Report

7-B7	7_OS0	920	116	of 174
	REC	,	VI -	29
	//3	12	. 3	
		GE NA EPV /U	ATION IC	

Operator: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 SOUTH BOSTON, SUITE 1000

**TULSA OK 74103** 

State: OK

**County: OSAGE** 

**Inventory Number: OS0920000** 

**Qtr Section: SE** 

Section: 01

Township: 27N Range: 07E

Surface Location: 0990N-0990W

**Well Number** 

**DISPOSAL** 

**Well Activity** 

Type of Permit Individual

**Lease Name** 

**B7-D** 

No. of Wells:

Area

**North Quadrant Reporting Form** 

Chapman-Osage

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2005	Vacuum		17527			
Мау	2005	11		19463			
Jun	2005	11		15611			
Jul	2005	11		18933			
Aug	2005	11					
Sep	2005	11		18695 18968			
Oct	2005	11		20331			
Nov	2005	11					
Dec	2005	***		18468 18041			
Jan	2006	11		19032			
Feb	2006	11		16981			<del>-</del>
Mar	2006	11		18193			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.,

President

Date Signed:

4/5/06

7-B7\_OS0920 117 of 174

# States Environmental Protection Agenderground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



#### **Annual Disposal/Injection Well Monitoring Report**

Operator: THE LINK OIL CO 427 SOUTH BOSTON, SU TULSA OK 74103	IITE 1000	<b>Owner:</b> THE LINK OIL CO 427 SOUTH BOSTON, SUITE 1000 TULSA OK 74103		
State: OK County: OSAGE Otr Section: SE Section: 01	Township: 27N	Range: 07E	Inventory Number: OS0920000 Surface Location: 0990N-0990W	

Well Activity	<b>Type of Permit</b>	<u>Lease Name</u>	Well Number
DISPOSAL	x Individual		B7-D
No. of Wells:4	Area	<u>Chapman-Osage</u>	

#### **North Quadrant Reporting Form**

			ction sure	Total Volume Injected		Tubing-Cas Pressure (Opt	Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
Apr	2005	Vacuum		17527				
May	2005	11		19463				
Jun	2005	11		15611				
Jul	2005	11		18933				
Aug	2005	11		18695				
Sep	2005	. 11		18968				
Oct	2005	11		20331				
Nov	2005	11		18468				
Dec	2005	11		18041				
Jan	2006	11		19032				
Feb	2006	11		16981				
Mar	2006	11		18193				

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr., President

Signature:

Date Signed:

4/5/06

4/5/06

4-12-06 DS

7-B7\_OS0920 11

118 of 174

Unit States Environmental Protection Ager Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

# 29

#### **Annual Disposal/Injection Well Monitoring Report**

Operator: THE LINK OIL CO	Owner: THE LINK OIL CO	
427 SOUTH BOSTON, SUITE 1000	427 SOUTH BOSTON, SUITE 1000	an I
TULSA OK 74103	TULSA OK 74103	

State: OK Co	ounty: OSAGE			Inventory Number:	OS0920000
Qtr Section: SE	Section: 01	Township: 27N	Range: 07E	Surface Location:	0990N-0990W
Well Activity DISPOSAL		Type of Permit  Type of Permit	Lease Name		Well Number B7-D
No. of Wells:	4	Area	<u>Chapman-Osag</u>	e	
		V 7			

#### **North Quadrant Reporting Form**

2		Injed Pres			/olume cted		ing Annulus tional Monitor)
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2004	Vacuum		17248			
May	2004	11		17910			
Jun	2004	11		17432	3		
Jul	2004	11		15496			
Aug	2004	11	v.	19838	9		Av. c
Sep	2004	11		22211			1
Oct	2004	11		20728		2	
Nov	2004	11		18786			
Dec	2004	11		18644			
Jan	2005	11		19388			A (a) = = = = = = = = = = = = = = = = = = =
Feb	2005	_ 11		17016			
Mar	2005	. 11		19363			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr., President

Signature:

Date Signed:

4/8/05



5-2-05 DS

Bird Creek - Osage County, Oklahoma

October 3, 2017

IMAGING ROOM
RECEIVED
2005 MAY 10 AM 11: 38

7-B7\_OS0920

Scan Code: 30

## **Well Inspection**

Osage Nation / Environmental Protection Agency P. O. Box 1495

Pawhuska, OK 74056

•	J. Andrew Yates			ed: <u>9/3/2004 11:0</u>	0:00 AM Duration: 0.3
Operator F	Representative: NONE.		Dt Scheduled:		_ Dt Op Notified
	General W	ell Dat	ta and Inspection Inf	formation	
	THE LINK OIL COMPANY 427 SOUTH BOSTON - STE 1408		Well Name/No.: B7-D	The second	Status:
	TULSA, OK 74103		Location: SE 1 27N 71		
Phone:	(918) 585-8343		Field Nm:	Lat/Lng	g: <u>36.845045, 96.4983</u> G
	RO	UTINI	E UIC INSPECTIO	ON	
Purpose:	Routine Periodic Responsibl	e Comp	oany at Time of Inspection	on: THE LINK OI	L COMPANY
Inspect No	.: <u>iJAY0425131693</u> Notification	Type:			
Incident No			Owner:		Date:
Comply No	Date Reme	dy Requ	uired:	Date Passed	d:
		Press	sures / Conditions		
Da	nte Last MIT: 10/11/2001 Test Result			ubing: <u>2.375</u> in.	USDW: 642 ft subsurf
M FI L B B B	Monitoring Device Elected:  Monitoring Device:  LM Canister Pressure:  LACtive  LACTIV		Fittings: Actual Pressure: How Determined?: Static Fluid Level: How Determined?:	Tubing Annulus Y -19 0 UIC UIC How Rate	Max Pressure: 691 Min Req Press:
ACTIVE W	Comments VELL.				
Evaluatio	Inspection Results:/ Violation Code: From Section Results:	Follow equence	w-up: A Re		Date: 9/22/04  Received Date: 9/10/200

Bird Creek - Osage County, Oklahoma

October 3, 2017

7-B7\_OS0920 121 of 174

2004 SEP 28 AM 7: 34

7-B7\_OS0920 122 of 174

Ur d States Environmental Protection Age Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

# APR | 2 2004

#### **Annual Disposal/Injection Well Monitoring Report**

Operator: THE LINK OIL CO

427 South Boston, Suite 1408 1000

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 South Boston, Suite ₹₹68 1000

**TULSA OK 74103** 

State: OK

County: OSAGE

inventory Nui

Inventory Number: OS0920000

OSAGE NATION

Qtr Section: SE

Section: 01

Township: 27N

Range: 07E

Surface Location: 0990N-0990W

Well Number

Well Activity

No. of Wells: \_\_

Type of Permit

Lease Name

B7-D

DISPOSAL

☑ Individual
☐ Area

Chapman-Osage

North Quadrant Reporting Form

	0.4	Injec Pres			Volume ected		ing Annulus tional Monitor)
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2003	Vacuum		19099			
May	2003	11		22741			
Jun	2003	11		20354			= 2,
Jul	2003	11		19963			1.8
Aug	2003	11	7	18519			
Sep	2003	11		19724			
Oct	2003	11	-	19847			
Nov	2003	11 -		19652			
Dec	2003	11		18184			, 4
Jan	2004	11		18587			
Feb	2004	11		17002			
Mar	2004	. 11		20792		* 1	

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.

President

Signature:

Date Signed:

4/8/04

1005 7 I NUL

A

6-8-04

October 3, 2017

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(car re agente) desperateur en de la resulta

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Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 123 of 174

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2004 JUN 17 AM 8: 18

layer tarren 17a yang dan bilan telangkat lalah dalam terdebik dalam terdebik dalam bilan bilan bilan bilan bi Paraja dan germanan dalam bilan bilan

DISPOSAL

No. of Wells: 4

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 124 of 174

B7-D

APR 22 2003

Un States Environmental Protection Agei Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733



#### Annual Disposal/Injection Well Monitoring Report

Operator: THE LINK 427 South TULSA C	n Boston, Suite 14	08	427	E LINK OIL CO South Boston, Suite 1 SA OK 74103	408
State: OK Cou	nty: OSAGE Section: 01	Township: 27N	Range: 07E	Inventory Number: Surface Location:	
Well Activity		Type of Permit	Lease Name		Well Number

#### North Quadrant Reporting Form

Chapman-Osage

Individual

Area

		Injed Pres		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2002	Vacuum		24553			
May	2002	11		23709			
Jun	2002	11		23491			
Jul	2002	tt		22892			
Aug	2002	11		23094			
Sep	2002	11		22534			2
Oct	2002	H.		22818			
Nov	2002	11		22088			
Dec	2002	11	2	22572			
Jan	2003	11		22529			
Feb	2003	TT.	2	19862	/		
Mar	2003	11		22133			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr.

President

Signature:

Date Signed:

4/15/03

4-3003

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2003 MAY -5 PM 1: 34

ता केंग, का अवस्था अने को को लागू है की जिसके किया है। कर तुक्त अने के नाम संस्कृतकर

17:15 (de.Ç.

29

# bunted States Environmental Protection Againsy

#### Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

#### Annual Disposal/Injection Well Monitoring Report

	th Boston, Sulte OK 74103	1408	42	7 South Boston, Sultc LSA OK 74103	1408
State: OK Cor Otr Section: SE	unty: OSAGE Section: 01	Township: 27N	Range: 07E	Inventory Number:	
Well Activity DISPOSAL No. of Wella:	4	Type of Permit  Individual  Arca	Lease Name	-Oಜañc	Well Number B7-D

#### North Quadrant Reporting Form

and the second s		ctlon ssure		Total Volume Injected		Tubing Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	EBL	MCF	Min PSIG	Max PSIG
Apr	2001	Vacuum		27270			
May	2001	11		29929			
Jun	2001	11		27138			
Jul	2001	11		29033			
Aug	2001	- 11		23817			
Sep	2001	11		21843			
Oct	2001	11		23995			
Nov	2001	ū		26077			
Dec	2001	)1		25770			
Jøn	2002	ti		22471			
Feb	2002	u		16290			
Mar	2002	O		26444			

#### CERTIFICATION

I confly under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to essure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accorde and complete. I am aware that there are significant penalties for submitting talse information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

	Namo	and	Of	ficial	TIL	16:
--	------	-----	----	--------	-----	-----

Robert B. Lyon, Jr., President

"Signaturo:

Date Signed:

4/8/02

1-15-03

TOTAL P.09

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 

facts 安全公司首次公司 (1) 卷 [leith:波斯特(2)] (A)

October 3, 2017

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2003 MAR -7 AM 10: 35 And the second s

## Well Inspection

Scan Code: 30

#### Osage Nation / Environmental Protection Agency

P. O. Box 1495 Pawhuska, OK 74056

Inspector: J. Andrew Yates	Dt/Tm Inspected: 9/11/02 11:15:00 AM Duration: 0.2
Operator Representative: TRACY KENNEDY	Dt Scheduled: Dt Op Notified
General Well Da	ta and Inspection Information
Operator: THE LINK OIL COMPANY	Inventory No.: <b>OS0920</b> API Well No.: 35-113-34148-00-00
427 SOUTH BOSTON - STE 1408	Well Name/No.: B7-D Status:
TULSA, OK 74103	Location: SE 1 27N 7E 990W - 990N
Phone: (918) 585-8343	Field Name: Well Type: SWD
ROUTINI	E UIC INSPECTION
Purpose: Routine Periodic Responsible Comp	any at Time of Inspection: THE LINK OIL COMPANY
Inspect No.: iJAY0225648444 Notification Type:	
	Owner Extension Date:
Comply No.: Date Remedy Requ	
Press	sures / Conditions
Date Last MIT: 10/11/01 Test Result: A	Casing: 5.500 in. Tubing: 2.375 in. USDW: 642 ft subsurf
Monitoring Device Elected:	Tubing Annulus
Monitoring Device:	Fittings: Y Y AUTHORIZED
FLM Canister Pressure:	Actual Pressure: <u>-20</u> <u>0</u> Max Pressure: <u>691</u>
Lease Status: <u>Active</u>	How Determined?: UIC UIC Min Req Press:
Barrel Monitor Hooked Up?:	Static Fluid Level: Max Rate:
Barrel Fluid Level (%):	How Determined?:
Flowline Hooked Up?: Y_	Injection Rate (bpd): How Rate Determined?
Flowline Hooked Up?: Y Injecting?: Y	
Comments  ACTIVE WELL.	OCT 1 6 2002
	500 500 100 500 110 51
Evaluation: Name: Furall Tim	
Inspection Results:/ Follow	v-up: A Reason: See
Violation Code: Nove Frequence	y: $\frac{NR}{2^3 / 0^2}$ Received Date: 9/17/02

October 3, 2017 Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 129 of 174

IMAGING ROOM RECEIVED

2002 OCT 10 AMII: 27

7-B7\_OS0920 130 of 174 MECHANICAL INTEGRITY TES

est Reason: SCHEDULED	ventory No: OS0920
ompany: THE LINK OIL COMPANY	
ddress: 427 SOUTH BOSTON - STE 1408	Mechanical Integrity Test Results
TULSA, OK 74103	
Phone: (918) 585-8343	Results: PASS
ell Name/Number: <u>B7-D</u>	
ocation: <u>SE</u> /4; Sec. <u>1</u> ; T <u>27</u> N; R <u>7</u> E	Comments:
ell Type: <u>Disposal</u> asing: 5.50 inches, Tubing: 2.38 inches	
njection Interval: 2528-2534 feet	KENT SANBORN 10/15/01
acker Depth: 2437 feet USDW: 642 feet	
. NO SIGNIFICANT FLUID MOVEMENT INTO USD	
TO THE WELLBORE	
Technical Review: PASS How Determ	
I. NO SIGNIFICANT LEAK IN CASING, TUBING	, OR PACKER
(A) TUBING-PACKER PRESSURE TEST	A1 mai Casing. O mai
(B) CASING-TUBING ANNULUS PRESSURE TE	ng: 41 psi Casing: 0 psi
Injection Rate: 950 bpd Time	
Annulus Fluid Type: S.WTR./OIL	
Tubing Annulus	
Time Pressure Pressure	Flowback
10:35AM 41 psi 205 psi: High	
10:50AM 41 psi 205 psi: Mid	
	w Pressure 10 psi Volume 1750 ml d Pressure 0 psi Volume 500 ml
· Enc	Total Volume 4000 ml
(C) ADA PRESSURE TEST	
(Fluid Column Height * Specific Gravity * .4.	33/N2 Weight Factor = Required Test Pressure)
<u>Tubing/Packer</u>	Tubing/Casing Annulus
Depth to Top Perf/Open Holeft	15 HE 2018 HE SHOW HE
Depth to Fluid Levelft	:Depth to Fluid Levelft
Fluid Column Heightft Specific Gravity of Fluidf	:Fluid Column Height ft :Specific Gravity of Fluid
Nitrogen Weight Factor	:Nitrogen Weight Factor
Required Test Pressure psi	
Time Pressure	: Time Pressure
psi	: psi
psi	: psi
psi	: psi
(D) CASING-TUBING ANNULUS MONITORING	
System:; Fluid lev Annulus Pressure:psi	rel above wellnead:
II.REMARKS: SEAL-TITE TBG.	
Repairs:	BIA REQUIRED SIGN AT WELL
vate: 10/11/01 UIC Office Witness: ANDRI	
Company Representative: K	

Received Date: 10/23/01

October 3, 2017

Bird Creek - Osage County, Oklahoma

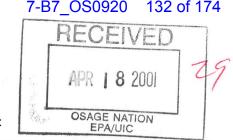
7-B7\_OS0920 131 of 174

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#### Bird Creek - Osage County, Oklahoma

U. d States Environmental Protection Ag
Underground Injection Control Program
1445 Ross Avenue
Dallas, TX 75202-2733



Annual Disposal/Injection Well Monitoring Report

Operator: THE LINK OIL CO

427 South Boston, Suite 1408

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 South Boston, Suite 1408

**TULSA OK 74103** 

APR 23 2001

State: OK

County: OSAGE

Township: 27N Range: 07E

Inventory Number: OS0920000

Otr Section: SE

Section: 01

Lease Name

Surface Location: 0990N-0990W

B7-D

Well Number

Well Activity
DISPOSAL

No. of Wells: \_\_

Type of Permit

v Individual

Area

Chapman-Osage

#### North Quadrant Reporting Form

		Injec Pres		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2000	Vacuum		26416			
May	2000	11		27377			
Jun	2000	11		29040			
Jul	2000	11		28923		a a	
Aug	2000	11		26979	1	ä	
Sep	2000	11		25859			
Oct	2000	11		27150			
Nov	2000	11		25213			
Dec	2000	11		24152			
Jan	2001	11		28799			
Feb	2001	11		22015			
Mar	2001	11		29586			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Robert B. Lyon, Jr., President

Signature:

Date Signed:

4/17/01

06-05-01

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 133 of 174

IMAGING ROUM RECEIVED 2001 JUN -8 PM 3: 09

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#### Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 134 of 174

d States Environmental Protection Ag Jnderground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

#### Annual Disposal/Injection Well Monitoring Report

APR I DESIGN

Operator: THE LINK OIL CO

427 South Boston, Suite 1408

**TULSA OK 74103** 

Owner: THE LINK OIL CO

427 South Boston, Suite 1408

TULSA OK 74103

OSAGE NATY EPA/UII

AUG 03 2000

State: OK

Qtr Section: SE

County: OSAGE

Section: 01

Township: 27N Range: 07E

Inventory Number: OS0920000

Surface Location: 0990N-0990W

**Well Activity** 

Type of Permit X Individual

Area

Lease Name

Well Number

B7-D

DISPOSAL No. of Wells: L

Chapman-Osage

#### North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	1999	Vacuum		26389			
May	1999	11		26394			
Jun	1999	11		26325			
Jul	1999	11		29849			
Aug	1999	11		27656			
Sep	1999	11		26307			
Oct	1999	11		26248			
Nov	1999	11		24697			-
Dec	1999	"		27825			
Jan	2000	11		27456			
Feb	2000	11		24963			
Mar	2000	11		27232			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signatura

Date Signed:

Robert B. Lyon, Jr., President

4/7/00

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7-B7\_OS0920

136 of 174

Ur I States Environmental Protection Age Underground Injection Control Program 1445 Ross Avenue Dallas, TX 75202-2733

29

#### **Annual Disposal/Injection Well Monitoring Report**

Operator:	THE LINK OIL CO
	1408 PHILTOWER BLDG

TULSA OK 74103

Owner: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

State: OK County: OSAGE Inventory Number: OS0920000

Qtr Section: SE Section: 01

No. of Wells:

Township: 27N Range: 07E

Surface Location: 0990N-0990W

Well Activity
DISPOSAL

Type of Permit

X Individual

Lease Name

Well Number B7-D

Area

Chapman-Osage

#### **North Quadrant Reporting Form**

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	1998	Under Vacuum		29842			11
Мау	1998	11		25477			
Jun	1998	11		29152			
Jul	1998	. 11		29830	,		
Aug	1998	11		30191		*	
Sep	1998	11		29660			
Oct	1998	11		32774			
Nov	1998	11		30971			
Dec	1998	11		30074			÷
Jan	1999	11		28905			
Feb	1999	11		25547			
Mar	1999	11		25961			

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

Robert B. Lyon, Jr., President

4/8/99

OGT 1 0 2002 5-12-99

October 3, 2017



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Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 138 of 174

SCAN CODE: 30

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# ENVIRONMENTAL PROTECTION AGENCY REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE In	ventory No.: <b>OS0920</b>
Operator: Name: THE LINK OIL CO	
Address: 427 S BOSTON STE 1408	
TULSA, OK 74103	
Phone: (918) 585-8343	
Company Contact: BOB or ROB LYON	Title:
WELL INFORMATION:	
Well Name and Number: B7-D	
Location: $\underline{0990}$ ft F $\underline{W}$ L, $\underline{0990}$ ft F $\underline{N}$ L; $\underline{SE}$ /4, Sec. $\underline{1}$	T <u>27</u> N, R <u>7</u> E
Well Type: Disposal	
Authorization: Rule Authorization to Inje	ect Date:
Authorized: Pressure: 691 psi Rate	BPM
Long-String Casing Diameter: 5.50 inches Tubing	
Base of Underground Sources of Drinking Water: 642	
Date of Latest MIT: 8/29/96 Latest MIT Result	S: Pass
CONDITIONS ON INSPECTION DATE:	
Lease Status: ACTIVE	
Well Status: Hooked up for injection? YES Injection?	ting? YES
Required Fittings: Tubing? YES Annulus? YES	
Tubing Pressure: -20 psi; How Determined? U.I	.C. GAUGE
Annulus Pressure: 0 psi; How Determined? OPE	NED
Injection Rate: bpd; How Determined?	
Static Fluid Level:	
Tubing: feet subsurface; How Determined?	
Annulus: feet subsurface; How Determined?	
Samples Taken? NO Photographs Taken	n? <b>NO</b>
Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT	TIME OF INSPECTION.
TUBING IS CONNECTED TO INJECTION LINE	WITH A 2" HIGH PRESSURE
HOSE.	
BIA required sign at well.	
Inspection Date: 2/14/00 Time: Arrived: 1:05 P.M	Departed: 1:20 P.M.
Inspector: GARY SCOTT Individual Conta	acted: NONE
Evaluation: Name:  Inspection Results:  Violation Code:  Enforcement Letter Recommended:  No	Date:

7-B7\_OS0920 Bird Creek - Osage County, Oklahoma October 3, 2017 139 of 174

SCAN CODE: 30

# ENVIRONMENTAL PROTECTION AGENCY REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE	Inventory No.: OS0920
Operator: Name: THE LINK OIL CO	
Address: 427 S BOSTON STE 1408	
TULSA, OK 74103	
Phone: (918) 585-8343	
Individual Contacted: NONE	Title:
VELL INFORMATION:	
Well Name and Number: B7-D	
Location: $\underline{0990}$ ft F $\underline{W}$ L, $\underline{0990}$ ft F $\underline{N}$ L; $\underline{SE}$ /4, Sec	. <u>1</u> , T <u>27</u> N, R <u>7</u> E
Well Type: Disposal	
Authorization: Rule Authorization to	Inject Date:
Authorized: Pressure: 691 psi Rate	BPM
Long-String Casing Diameter: 5.50 inches Tu	bing diameter 2.375 inches
Base of Underground Sources of Drinking Water:	642 Feet Subsurface
CONDITIONS ON INSPECTION DATE:	
Lease Status: ACTIVE	
Well Status: Hooked up for injection? YES I	Injecting? YES
Required Fittings: Tubing? YES Annulus? YES	
Tubing Pressure: -15 psi; How Determined?	U.I.C. GAUGE
Annulus Pressure: 0 psi; How Determined?	OPENED
Injection Rate: bpd; How Determined?	
Static Fluid Level:	
Tubing: feet subsurface; How Determined	?E
Annulus: feet subsurface; How Determined	
Samples Taken? NO Photographs	
Observations: WELL WAS TAKING FLUID AT TIME OF I	NSPECTION. TUBING IS_
CONNECTED TO INJECTION LINE WITH A	
BIA required sign at well.	
Inspection Date: 2/24/99 Time: Arrived: 9:00	A.M. Departed: 9:15 A.M.
Inspector: GARY SCOTT	
Walse of 201	<b>Y</b>
100,0810	
Evaluation: Name:	Data 20/20/00
	Date: <u>03/03/99</u>
	-up: Frequency! AR
Enforcement Letter Recommended: No	All all

Bird Creek - Osage County, Oklahoma 7-B7 OS0920 141 of 174 October 3, 2017 United Sta Environmental Protection gency Washington, D.C. 20480 ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT Operator: THE LINK OIL CO Owner: THE LINK OIL CO 1408 PHILTOWER BLDG 1408 PHILTOWER BLDG TULSA OK 74103 TULSA OK 74103 County: OSAGE Otr. Section: SE Section: O1 Township: 27N Range: O7E Surface Loc: 0990N=0990W Well Activity Type of Permit Lease Name . . . . . . . . . . . . . Chapman-Osage |X| Individual Brine Disposal 4 | Area No. of Wells: \_\_\_ ==== North Quadrant Reporting Form ==== Total Volume Tubing-Casing Annulus Injected Pressure(Optional Monitor) Month Yr | Avg PSIG | Max PSIG | BBL | MCF | Min PSIG | Max PSIG 22802 Mar 1997 | Under Vacuum | 25449 Apr 1997 28869 May 1997 24841  $\frac{24841}{27722}$ Jul 1997 29752 Aug 1997 27540 Sep 1997 30156 Oct 1997 28288 Nov 1997 27300 Dec 1997 25461 25516 CERTIFICATION I certify under penalty of law that this document and all attachments were I prepared under my direction or supervision in accordance with a system | designed to assure that qualified personnel properly gather and evaluate | the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and I belief, true, accurate and complete. I am aware that there are significant | penalties for submitting false information including the possibility of fine | and imprisonment for knowing violations. (Ref. 40 CFR 122.22). Name and Official Title Date Signed Robert B. Lyon, Jr., President

1/4/98 APR 09 1998

ADR - 6 1998

6W-EA-(4)

October 3, 2017

Bird Creek - Osage County, Oklahoma

7-B7\_OS0920 142 of 174

98 JUL 23 AM 7: 12

Inspection Reason: ROUTINE

SCAN CODE: 30

Inventory No.: OS0920

# ENVIRONMENTAL PROTECTION AGENCY REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Operator: Name: THE LINK OIL CO
Address: 427 S BOSTON STE 1408
TULSA, OK 74103
Individual Contacted: FRANK PAYNE Title:
WELL INFORMATION:
Well Name and Number: B7-D  Location: 0990 ft F N L, 0990 ft F W L; SE /4, Sec. 1, T 27N, R 7E
Well Type: <u>Disposal</u>
Authorization: Rule Authorization to Inject Date:
Authorized: Pressure: 691 psi Rate: BPM
Long-String Casing Diameter: <u>5.50</u> inches Tubing Diameter: <u>2.375</u> inches Base of Underground Sources of Drinking Water: <u>642</u> Feet Subsurface
CONDITIONS ON INSPECTION DATE:
Lease Status: ACTIVE Well Status: Hooked up for injection? YES Injecting? YES
Required Fittings: Tubing? YES Annulus? YES
Tubing Pressure: -30 psi; How Determined? U.I.C. GAUGE
Annulus Pressure: VAC psi; How Determined? SLIGHT VAC
Injection Rate: bpd; How Determined?
Static Fluid Level:  Tubing: feet subsurface; How Determined?
Annulus: 46 feet subsurface; How Determined? ECHO METER
Samples Taken? NO Photographs Taken? NO
bumples lunen. see Indeedlabus lunen.
Observations: TUBING WAS TAKING FLUID ON VAC. AT TIME OF INSPECTION. ANNULUS
WAS ON A SLIGHT VAC. TO ZERO.TUBING IS CONNECTED TO SW. LINE
WITH A 2" HIGH PRESSURE HOSE.
Inspection Date: 6/27/97 Time: Arrived: 9:25 A.M. Departed: 9:40 A.M.
Inspector: GARY SCOTT
1 2
Evaluation: Name: Lurale 9 Chr 3/2 Date: 7-3-97
Inspection Results: _/ Follow-Up: A Frequency: NA
Violation Code: None Reason: Sec

Bird Creek - Osage County, Oklahoma 7-B7\_OS0920 144 of 174 October 3, 2017 97 SEP -2 AM 10: 46

Bird Creek - Osage County, Oklahoma 7-B7 OS0920 145 of 174

United St s Environmental Protectio Agency Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION WELL ?

MONITORING REPORT

Operator: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103
Owner: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103
TULSA OK 74103

County: OSAGE

Qtr. Section: SE Section: Ol Township: 27N Range: O7E Surface Loc: 0990N-0990W

Well Activity Type of Permit

Brine Disposal |X| Individual

Lease Name

Well Number

. . . . . . . . . . Chapman-Osage

No. of Wells: 4 | | Area

==== North Quadrant Reporting Form ====

	Injection Pressure	Total V Injec		ubing-Casing ssure(Optiona	
Managh to Va	Avg PSIG   Max PSIG	BBL 1	MCF	Min PSIG	Max PSIG
Month Yr	AVG PS16   Mdx PS16			=  =========	=======================================
Apr 1996	Under Vacuum	23702			
May 1996	TT	24361			
Jun 1996	11	26576			
Jul 1996	TI	25499			
Aug 1996	11	25081			
Sep 1996	11	24093			Anner come come come come come come come
Oct 1996	11	28439			AND COURS WHEN COME WHEN COME WHEN COME WHEN COME WHEN
Nov 1996	11	27410			AND MADE AND MADE WARD WARD WARD WARD WARD
Dec 1996	11	31520			pres som sine cape esta star quo star saco esta
Jan 1997	TI	32584			
Feb 1997	11	20733			
	11	22902			1

CERTIFICATION

I I certify under penalty of law that this document and all attachments were I prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate I the information submitted. Based on my inquiry of the person or persons who I I manage the system, or those persons directly responsible for gathering the I information, the information submitted is, to the best of my knowledge and | belief, true, accurate and complete. I am aware that there are significant | I penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

| Name and Official Title

Robert B. Lyon, Jr.

October 3, 2017 Bird Creek - Osage County, Oklahoma 7-B7\_OS0920

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ျပန္းမွာရန္ေတြကို ရိုင္းရိုင္း လူမွာမွာေတြကို သည္။ လူမ်ား လိုင္းရိုင္ရိုင္ရိုင္ရိုင္ရိုင္းကို လိုင္းမွာ လိုင္း သန္းမွာရင္းရိုင္ရိုင္ရုိ လူမွာ အေတြကို ရိုင္းေတြကို လူလည္း အေတြကို မွာရိုင္ရိုင္ရိုင္းကို လည္းလည္းမွာ မွာရိုင္

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7-B7\_OS0920 147 of 174

J.S.

## THE LINK OIL COMPANY

**427 SOUTH BOSTON, SUITE 1408** TULSA, OKLAHOMA 74103-4146 (918) 585-8343

April 9, 1997

Mr. Jerry Saunders AR/LA/OK NPDES (UIC) Section (6EN-WO) Environmental Protection Agency 1445 Ross Avenue Dallas, Texas 75202

Annual Well Operation Report

Dear Mr. Saunders:

As requested in your letter of March 31, 1997, enclosed are Annual Well Operation Reports for The Link Oil Company's wells B7-D, B-8, 9B and C-W4 for the period of April, 1996 through March, 1997.

Sincerely,

THE LINK OIL COMPANY

Mary Beth Wing Mary Beth Wing

/mbw Encls.

7-B7\_OS0920 148 of 174

ild Olcck - Osa	ige country, c	Marionia
MECHANICAL	INTEGRITY	TEST

Inventory No.: OS0920

Company: LINK OIL CO.	
Address: 1408 PHILTOWER BLDG.	Mechanical Integrity Test Results
TULSA, OK 74103	
Well Name/Number: CHAPMAN #7B	Pass Fail
Location: $\underline{SE}/4$ ; Sec. $\underline{1}$ ; T $\underline{27}N$ ; R $\underline{7}E$	
Well Type: <u>Disposal</u>	Comments:
Casing: 4.50 inch, Tubing: 2.38 inch	
Injection Interval: 2509-2536 feet	1/ ( )
Packer Depth: 2437 feet	K10 Jambun 8-29-96
USDW: 642 feet 3,28	Engineer Date
I. NO SIGNIFICANT FLUID MOVEMENT INTO USI TO THE WELLBORE Technical Review: Pass How Determ	nined: Cement Records
II. NO SIGNIFICANT LEAK IN CASING, TUBING,  (A) TUBING-PACKER PRESSURE TEST	OR PACKER ANG IN THE
Injecting: No Pressure: Tubi	ng: VAC psi Casing: 0 psi
(B) CASING-TUBING ANNULUS PRESSURE TES	
Injection Rate: bpd Time	Since Annulus Filled: <b>FULL</b>
Annulus Fluid Type: FW/PF	
Tubing Annulus	
Time Pressure Pressure	<u>Flowback</u>
11:25AM VAC psi 210 psi: High	Pressure 195 psi
	Pressure 100 psi Volume 2 Qts
12:05PM	
	Pressure 0 psi Volume 3/4 Qts
	Total Volume 3 3/4 Qts
(C) ADA PRESSURE TEST	
(Fluid Column Height * Specific Gravity * .43	
<u>Tubing/Packer</u>	Tubing/Casing Annulus
Depth to Top Perf/Open Hole ft	
	:Depth to Fluid Level ft
[1] [1] - [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	:Fluid Column Height ft
	:Specific Gravity of Fluid
	:Nitrogen Weight Factor
Required Test Pressure psi	:Required Test Pressure ps:
TimePressure	:
psi	: psi
psi	: psi
psi	: psi
(D) GAGING EVIDING ANDWITTED THE	
(D) <u>CASING-TUBING ANNULUS MONITORING</u>	al above valiband
System:; Fluid leve	er above metruead:
Annulus Pressure: psi	
TIT DEWARDE	
<u>III.REMARKS</u> Date: <u>8/22/96</u> UIC Office Witness: <u>Bever</u>	ly Lagrana \.
Date: 8/22/96 UIC Office Witness: Bever	TY DACTORE VO

Company Representative: KEVIN DEPLOYE

# United States Environmental Protection Agency

Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION MONITORING REPORT

1408 PHILTOWER BLDG

Operator: THE LINK OIL CO Owner: THE LINK OIL CO 1408 PHILTOWER BLDG

> TULSA OK 74103 TULSA OK 74103

Inventory No: 0920 State: OK County: OSAGE Qtr.Section: SE Section: Ol Township: 27N Range: 07E Surface Loc: 0990N=0990W

Brine Disposal | X Individual

Whell Activity Type of Permit

Lease Name • • • • • • • • •

Chapman-Osage

Well Number ......

B 7<del>..</del> D

No. of Wells: 4 | Area

==== North Quadrant Reporting Form ====

	Injection Pressure			Total Volume Tubing-Casing Annulus Injected Pressure(Optional Monito		
Month Yr	Avg PSIG		BBL	MCF		Max PSIG
Apr 1995 May 1995	Under Vacuum		28.312 27,683			
Jun 1995 Jul 1995			27,497 26,834	The state of the s		
Aug 1995 Sep 1995	"		26,741 25,866			
Oct 1995 Nov 1995	"		26,318 27,496	aman aran aran diban saja saja saja saja saja saja saja sa	Annual state and the state and	
Dec 1995 Jan 1996			26,732 26,946			
Feb 1996 Mar 1996	111		25,845 26,478			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were I prepared under my direction or supervision in accordance with a system ! designed to assure that qualified personnel properly gather and evaluate | the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the I information, the information submitted is, to the best of my knowledge belief, true, accurate and complete. I am aware that there are significant | penalties for submitting false information including the possibility of fine | and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

)Signature

Date Signed

Robert B. Lyon, Jr., President

THE LINK OIL COMPANY

1408 PHILTOWER BUILDING TULSA, OKLAHOMA 74103-4146 (918) 585-8343

June 28, 1995

(34)

E [

Mr. Robert Quance U.S. Environmental Protection Agency, Region 6 UIC Permits & Enforcement Section (6W-SE) 1445 Ross Avenue, Suite 1200 Dallas, Texas 75202-2733

RE: Plugging Requirements Inventory No.: 054786

Well No.: 3

Location: SW/4 36-22N-11E

Osage County, Oklahoma

Dear Mr. Quance:

We assumed operations of the lease that includes the above referenced well on February 1, 1995. Well No. 3, according to our records, has been inactive since 1986. We are the third owner of the lease that includes Well No. 3 since 1986. We intend to determine the economic viability of this lease at the earliest opportunity. Until we ascertain the quality of this lease, we will not know whether Well No. 3 will still be needed as a disposal well or could possibly be put back on production.

Therefore we request an extension of 180 days from July 1, 1995 to determine the merits of the lease in question that includes Well No. 3. If after this time period we have not incorporated Well No. 3 into our plans, we will immediately plug this well subject to your approval.

Thank you for any attention you may give to this request.

Sincerely,

THE LINK OIL COMPANY

Robert B. Lyon, Jr.

President

RBLjr/mbw

cc: Osage UIC Office

Bird Creek - Osage County, Oklahoma 7-B7 OS0920 151 of 174

United Saltes Environmental Protect in Agency Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Operator: THE LINK OIL CO

1408 PHILTOWER BLDG TULSA OK 74103 Owner: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

Inventory No: 0920 State: OK County: OSAGE

Qtr. Section: SE Section: 01 Township: 27N Range: 07E Surface Loc: 0990N-0990W

Well Activity Type of Permit Lease Name . . . . . . . . . . . . . .

Chapman-Osage

Brine Disposal |X| Individual
No. of Wells: 4 | | Area

==== North Quadrant Reporting Form ====

	Injection Pressure	Total Volume Tubing-Casing Annulus Injected Pressure(Optional Monitor)			
Month Yr	Avg PSIG   Max PSIG	BBL I	MCF	Min PSIG	Max PSIG
Apr 1994	Under Vacuum	25,424			
May 1994	11	27,953			
Jun 1994	11	25,815			
Jul 1994	11	26,777			
Aug 1994	11	27,290			
Sep 1994	11	27,092		1	
Oct 1994	11	26,389			
Nov 1994	11	28,669			
Dec 1994	11	28,708 -			
Jan 1995	11	25,988			
Feb 1995	11	23,061		1	
Mar 1995	11	25,981			

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system I designed to assure that qualified personnel properly gather and evaluate I I the information submitted. Based on my inquiry of the person or persons who I I manage the system, or those persons directly responsible for gathering the I information, the information submitted is, to the best of my knowledge and I I belief, true, accurate and complete. I am aware that there are significant I I penalties for submitting false information including the possibility of fine I and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

gnature

Robert B. Lyon, Jr., President

Date Signed

4-6-95



# 7-B7\_OS092 ENVIRONMENTAL PROTECTION AGENCY R ION 6, UIC INSPECTION REP [ UIC Program, P.O. 30x 1495, Pawhuska, Oklahoma 74 (918-287-4041)

7-B7\_OS0920 152 of 174

(38)
Inspection Reason: Yr+, status Inventory No.: OS0920
perator Name: The Link Oil Company
Address: 1408 Philtower Building Tulsa, OK 74103
Individual Contacted: none Title:
WELL INFORMATION: Well Name and No.: Chapman #B7-D
Location: <u>0990</u> FNL; <u>0990</u> FWL; <u>SE</u> /4, Sec. <u>01</u> , T <u>27</u> N, R <u>07</u> E
Well Type: X SWDERDualOther
Authorization: X Rule Permit None Authorization to Inject: Yes No
Authorized: Pressure:psi Rate:BPM
Long String Casing Diameter: 4.5 inches Tubing Diameter: 2.38 inches
Base of Underground Source of Drinking Water: 642 feet subsurface
CONDITIONS ON INSPECTION DATE:
Lease Status: X ActiveInactive
Well Status: Hooked up for injection? X YesNo Injecting? ? YesNo
Required Fittings: Tubing? <u>X</u> YesNo Annulus? <u>X</u> YesNoNot Applicable
Injection Pressure: <u>vac</u> psi; How Determined: <u>UIC guage</u>
Annulus Pressure: <u>sbftz</u> psi; How Determined: <u>when opened</u>
Injection Rate: ?bpd; How Determined: no detectable flow
Static Fluid Level:
Tubing: feet subsurface; How Determined:
Annulus: feet subsurface; How Determined:
Samples Taken: <u>no</u> Photographs Taken: <u>none</u>
Observations: Connected well, tubing was on a vacuum, no detectable flow.
Annulus had a slight blow of fluid to zero when opened.
Mostly sunny, southeast winds at 10 mph, 94F, sign has 7-B.
Inspection Date: 08/19/94 Time: Arrived: 1715 Departed: 1725
Inspector: Clarence Edmonson, EPS
Evaluation Name: Parall 9 Chr2/- Date: 8-25-94
Inspection Results: _/ Follow-Up: A Frequency: NL

Violation Code: None Reason: Sec



Bird Creek - Osage County, Oklahoma 7-B7 OS0920 153 of 174

United States Environmental Protection gency Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Operator: THE LINK OIL CO
Owner: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103
Owner: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103

State: OK County: OSAGE

Otr. Section: SE Section: Ol Township: 27N Range: O7E Surface Loc: 0990N-0990W

Well Activity Type of Permit Lease Name

Brine Disposal |X| Individual Chapman-Osage Brine Disposal |X| Individual

Well Number

B 7-D

No. of Wells: 4 | Area

==== North Quadrant Reporting Form ====

Injection Pressure	Total Volume Tubing-Casing Annulus   Injected Pressure(Optional Monitor)
Month Yr   Avg PSIG   Max PSIG	BBL   MCF   Min PSIG   Max PSIG
Apr 1993   Under Vacuum	21,855
May 1993   "	22,553
Jun 1993   "	27,747
Jul 1993   "	27,077
Aug 1993   "	32,592
Sep 1993   "	28,853
Oct 1993   "	26,951
Nov 1993	25,952
Dec 1993   "	26,555
Jan 1994   "	26,752
Feb 1994   "	25,054
Mar 1994   "	26,785

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were I prepared under my direction or supervision in accordance with a system I designed to assure that qualified personnel properly gather and evaluate I I the information submitted. Based on my inquiry of the person or persons who I I manage the system, or those persons directly responsible for gathering the I I information, the information submitted is, to the best of my knowledge and I | belief, true, accurate and complete. I am aware that there are significant | I penalties for submitting false information including the possibility of fine I | penalties for submitting raise in simulations. (Ref. 40 CFR/122.22).

Name and Official Title Signature

Date Signed

Robert B. Lyon, Vice-President

APR | 4 | 994 6 W-S

# Bird Creek - Osage County, Oklahoma PA/UIC INSPECTION REPORT

7-B7\_OS0920 154 of 174

Inspection Type	Ca)	inventory No.	
Inspection Frequency		Authorization	ABR
/iolation Code	C(', ')'	Authorized to	Inject
	, D		
Company/Operator	THE LINK	oic co	
Business Address /40 8	Phil tower &	old g. tai	'SA,UK. 74103
Individual Contacted	MONE	Title	
Lease Name' & Well No	Chapman #	8-70	
Legal Description 990 'F[N	L 990 'F W L		/ T 27 R 7
Well Information: SWD/ER,			
Authorized	d Injection: Pres	sure NA.	Rate_
Long Strin	ng Casing Size	4/12" Tul	oing Size 2 3/8"
Report of Conditions as of the			
Lease: Active/Inactive		ed up for injud	stion. Vos/No
Injecting at time of inspec	and the same of th	ted up for injec	ction: Tes/No
Required fittings on tubing	Application	ng annulus. Vo	No (Not Applicable
required littings on tubing	and casing/tubin	low Dotormined	A(C SAMA
Injection PressureAnnular Pressure	D PSF	low Determined_	11 grage
Annular Pressure	<i>- - - - - - - - - -</i>	low Determined_	
Injection Rate Not			
Well plugged at Surface:	The state of the s		11950
Samples Taken	Pnot	ographs Taken	763
Description of wellhead ho	okup and injection	n facility:	
Active were	Osg. LENd	my this -	injection
LINE CONNECTED	,	/ 0	7
			The state of the s
			PRUCIVED
Weather Conditions and Obs	ervations 010	. 60 . 5	MAD I C top-
			MAR   6 1993
			The second secon
Inspection Date 3/5/93	Time Arrived 3	os/m Departed	3:10 Pm.
Field Inspector	Anhou 95		
	Quare	Date 3/23	193

United States Environmental Protection Agency Washington, D.C. 20480 ANNUAL DISPOSAL/INJECTION WELL



MONITORING REPORT

Operator: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA DK 74103

Owner: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

County: OSAGE

Qtr. Section: SE Section: 01 Township: 27N Range: 07E Surface Loc: 0990N-0990W

Well Activity Type of Permit

Lease Name . . . . . . . . . .

Brine Disposal | X Individual

Chapman-Osage

No. of Wells: 4 | | Area

==== North Quadrant Reporting Form ====

Injection Pressure			Total Volume Tubing Casing Annulus   Injected Pressure(Optional Monitor)			
Month Yr	Avg PSIG I	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1992   May 1992	Under Vacuum		27,038 26,895		100   100	
Jun 1992 Jul 1992	TO STATE STATE SALES SAL		25,583 24,233	Availab distance fulfactor control formation formation formation formation formation formation formation fundamental fulfactor fundamental	Major spine being signer state and major spine state and major spine state and major spine spine state and major spine s	
Aug 1992   Sep 1992	1		27,241 24,758	Nation amount Games visiged visited addition to their various visited and the visited various visited and visited visi	NAMES AND ADDRESS OF THE PARTY ADDRESS OF	
Oct 1992   Nov 1992	11	make adaptions done their state that have been been been been and	25,558 25,216 24,093	Special strate values desire retain value	State and make state and other trace and trace and	Short Man. Super racial distance and scape colors and distance and scape colors and scape and sc
Dec 1992 Jan 1993 Feb 1993	11	Name and both date that the property and the state and the	24,417 21,726	South March Males fortis April Scott States States States Special States	Annual States States Links Annual Ann	March Mills
Mar 1993	THE SHARE SH	Manager angular became the methor electric velocity and the benefits and the second velocity and the s	26,898	To applie against distage values depice continue months about months depice continue against applied depice depice continue conti	Market and Australia and Austr	

#### CERTIFICATION

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Name and Official Title

Robert B. Lyon, President

REPORT FORMS PRINTED INCORRECTLY

REPORT PERIOD ENDS MARCH 1993





AMENDED

United States Environmental Protection Agency

washington, D.C. 20480

. AHHUAL DISPOSAL/INJECTION WELL HUNITURING REPORT

TUESA UK 74103

Owner: THE LINK DIL CO

1408 PHILTOWER BLDG. TULSA OK 74103

Inventory No: 0923 State: UK County: USAGE . Deccion: SE Section: Of Township: 27N Range: 07E Surface Loc: 0990N-0990.

Type of Permit

Lease Name ........

Well Number

\_Chapman\_Osage\_\_\_\_

9 B

... of delis: \_4\_ |\_ | Area

==== North Quadrant Reporting Form ====

	Injection Pressure	Total \ Injec		oing-Casing sure(Option	Annulus   al Monitor)
	AVJ PSIG   Max PSIG	BBL	MC F	Min PSIG	Max PSIG   
APR 4991 MAY 1991	Under Vacuum	0 0		Casing Moni	or_Barrel_test
Jun 1991 Jul 1991 Aug 1991		0			E 28
Sept 1994   Oct 1994   Nov 1991		0 0		3 to 6 psi	
Dec 11991 Jam 11992 Feb 11992		0 0		 	<u> </u>
Mar 1992		9022			

# CERTIFICATION

I i certify under penalty of law that this document and all attachments were i I prepared under my direction or supervision in accordance with a system [ lassioned to assure that qualified personnel properly gather and evaluate | I the information submitted. Based on my inquiry of the person or persons who I I manage the system, or those persons directly responsible for gathering the | I information, the information supmitted is, to the best of my knowledge and I i coller, true, accurate and complete. I am aware that there are significant panalties for submitting false information including the possibility of fine i I and imprisonment for knowing violations. (Ref. 40 CFR/122.22).

Adme and Official Title

Signature

Date Signed

Robert B. Lyon, President

United States Environmental Protection Agency Washington, D.C. 20480



ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Operator: THE LINK CIL CO

1408 PHILTOWER BLDG TULSA OK 74103

Owner: THE LINK OIL CO 1408 PHILTOWER BLDG TULSA OK 74103

County: OSAGE

Qtr. Section: SE Section: 01 Township: 27N Range: 07E Surface Loc: 0990N-0990W

Well Activity Type of Permit

Well Number

Brine Disposal |X| Individual

Lease Name

•••••••

Chapman—Osage

No. of Wells: 4 | Area

==== North Quadrant Reporting Form ====

Injection Pressure				Volume Tu		Annulus   al Monitor)
Month Yr	Avg PSIG	Max PSIG	BBL	l MCF	Min PSIG	Max PSIG
Maga Tengs Salay select Load Salay Select Total Salay Alays Salay Salay 1988 1988 1988 8888 8888 1988 1988 198		THE SALE WAS SEED THAN THE STATE WHEN WHEN THE SALE WAS	1000 0000 0000 1000 1000 0000 1000 100			
Apr 1991	Vacuum_	cauge many times sepan rejudo scales constr cauga stata scales	_24,193	-CLUB CLUB CLUB HARM MANNY ONDS MANN ANDS MAIN MANNY		
May 1991		and stop street and take was street and take	_25,977			
Jun 1991		Mines where wends strates enters provin Joseph eleves verges provin	_25,507	ACMS 18529 40-09 18305 60-09 10509 60-09 50-00 1050 1050 1050		
Jul 1991		Mines reach racks class there reads stood drops which there	24,285	Market Alliance Streets Annual	which again the course bear days desir days make the	
Aug 1991	danaka salaka salaka hanar tarasa alahini alama launak silitini salaka	And the store and also dies the same and the time	26,109			NAMES STORY STORY ARTON ARTON ARTON ARTON ARTON
Sep 1991		specia specia sensia sunna saada disara sensia specia specia specia	23,847	VALUES SANDER SERVICE		NAMES AND ADDRESS ASSESS ASSES
Oct 1991	ANDERS AND STATES AND A CORNER SERVICE AND ASSESS A	Marie and the second depart and second depart shade which second	27,180	ALLES ANDER ANDER AND DESIGN DESIGN TO SEE AND STATE AND		
Nov 1991	CALLINE ARTHUR MARKER AREAS STATES AND ARREST STATES AREAS ARTHUR AREAS		25,886		NAMES AND DESCRIPTION OF PERSONS ASSESS ASSESTATE ASSESS A	
Dec 1991	Storm White visite States states which speed states storm Name Sales.	goods could begon agoing stock forms support claims stated month	_26,746		NAME AND ADDRESS AND ADDRESS AND ADDRESS AND	STATE AND STATE AND AND STATE AND STATE AND STATE AND
Jan 1992	Manager Statem resource resident resident Administration of Statement and Statement an		25,531	ABOUR WEEDS GETTE GETTE GETTE STEEL STEELS STEELS STEELS STEELS STEELS STEELS STEELS		ANGEL MINIS AND AND MINIS AND MINIS AND
Feb 1992		SIGN WIND THE WHITE ALLOW AND COME THE SIGN WHITE	_23,332	Month and dono at the action and action action action action action action action.	MANUAL AND PROPER AND ASSESS AND ASSESS AND ASSESS AND	AND THE CHARGE SHIP WAS ARRESTED AND
Max 1002			27 251		1	1

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who I manage the system, or those persons directly responsible for gathering the I information, the information submitted is, to the best of my knowledge and I I belief, true, accurate and complete. / am aware that there are significant penalties for submitting false information including the possibility of fine | I and imprisonment for knowing violations (Ref. 40 CFR 122.22).

Date Signed

Bird Creek - Osage County, Oklahoma October 3, 2017 7-B7 OS0920 State in the state of the second of ្រី ក្នុងក្រោយបានស្រាស់ គ្រួ ប្រកម្មជំនួន ប្រធានប្រជាជាក្រោយប្រជាជាក្រោយប្រការក្រោយប្រការក្រោយប្រការក្រោយប្រកា សេក្សាស្ត្រី ស្ត្រី ប្រការប្រជាជាក្រុម សេក្សាសុខ សេក្សាសុខ សេក្សាសុខ សេក្សាសុខ សេក្សាសុខ សេក្សាសុខ សេក្សាសុខ ស សេក្សាសុខ Man and the section of the section o on de la companie de Recompanie de la companie de la comp a notification of the contraction of the property of the contraction o which is the contract of  $\chi_{ij}^{ij} = \chi_{ij}^{ij} = \chi_{$ និង ប្រជាពីស្រាស់ ប្រជាពីស្រុម និង ស្រុម ប្រជាពីស្រុម ប្រជាពីស្រុម ប្រជាពីស្រុម ស្រុម ស្រុម ស្រុម ស្រុម ស្រុម សព្វស្វាស់ ស្រុម ស្រ 

Octo	ber 3, 2017 Bird Creek - Osage County, Oklahoma 7-B7_OS0920 159 of 174
WELL ST	YPE: (DISPOSAL/EOR) TATUS: (NEW/CONVERSION/EXISTING)  PERMIT # INVENTORY #  (18)
	MECHANICAL INTEGRITY TEST
COMPANS	Y NAME LINK OIL CO ADDRESS 1408 PHUTOWER BUX, TUESS OL 74103
WELL NO	AME & NO. CHAPMAN B-7; 990 ft. FROM IN LINE AND 990 ft. FROM EN LINE.
LEGAL I	DESCRIPTION SE /4; Sec. ; Twp. 27; Rge. 7
MAXIMUN	M AUTHORIZED PRESSURE INJECTION INTERVAL 2509'- 2536' PACKER DEPTH 2437'
	EMONSTRATED NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH ADJACENT WELL BORE CHANNELS:
()	YES/NO) DATE: REVIEWER: NO TR AVAILABLE
II. NO	O SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER:
(1	A) TUBING-PACKER PRESSURE TEST
PI	ELL: (INJECTING/SHUT-IN) TIME SINCE: SHUT-IN OR INJECTION BEGAN ANNULUS FILLED  RESSURE: TUBING CASING LIQUID TYPE: INJECTION ANNULUS FILLED  NNULAR FLUID FLOW: (YES/NO) TIME FOR FLOW TO STOP ESTIMATED FLOW VOLUME Qt.
(1	B) CASING-TUBING ANNULUS PRESSURE TEST
T	UBING PRESSURE INJECTION RATE ADDRESS BPD (DURING TEST OR BEFORE SHUT-IN)
	TIME TUBING PRESSURE ANNULUS PRESSURE
	0 MIN 5 MIN 10 MIN 20 MIN 20 MIN 20 MIN 30 MIN TUBING SIZE  TUBING SIZE  FLOW BACK VOLUME
Di	C) ADA PRESSURE TEST  EPTH TO TOP PERFORATIONS OR OPEN HOLE DEPTH TO FLUID LEVEL  LUID COLUMN HEIGHT X SP.GR. X .433 = PSIG REQUIRED FOR TEST.  MAXIMUM PRESSURE REACHED  PRESSURE AFTER 5 MINUTES  PRESSURE AFTER 10 MINUTES  PRESSURE AFTER 20 MINUTES  PRESSURE AFTER 30 MINUTES
(	D) MONTHLY CASING-TUBING MONITORING
S	YSTEM (OPEN/CLOSED); FLUID LEVEL ABOVE GL PRESSURE
(	E) TUBING PRESSURE/FLOW RATE MONITORING MONITORING SYSTEM ADEQUATE: (YES/NO)
F	LOW RATE BPD TUBING PRESSURE
(	F) RADIOACTIVE TRACER SURVEY
	ATA & INTERPRETATION SHOW: (LEAK/NO LEAK) ATURE & DEPTH OF LEAK:
III. R	EMARKS
	845-8
_	M. M
D	TEST WITNESSED BY: MARKET NO (COMPANY REPRESENTATIVE)

IV. FROM THE KNOWLEDGE OBTAINED FROM THE ABOVE TESTS, IT IS MY OPINION THAT THIS WELL HAS MECHANICAL INTEGRITY: (YES/NO)

EPA ENGINEER

DATE

THANHLOUK !

WATER SUPPLY BRANCH, THE RECEIVED IS NA CASINEON THAT WHIS MELL HAS SEEN THE KNOWLEDGE OBTAINED FROM THE ABOVE RECEIVED IS NA CASINEON THAT WHIS WELL HAS A
DATE 1 LEST WITHERSED BY 31 SED SO BM 1: 7
6W-S
REMARKS
DATA & INTERPRETATION SHOW: (DEAK/NO LEAK) NATURE & DEPTH OF LEAK:
PLOW BATE BPD TUBING PRESSURE
(E) TUBING PRESSURE/FLOW PATE MONITORING MONITORING SISTEM ADEQUATE: (YES/NO)
(D) MONTHLY CASING-TUBING MONITORING
PRESSURE AFTER S MINUTES  PRESSURE AFTER 16 MINUTES  PRESSURE AFTER 20 MINUTES  PRESSURE AFTER 30 MINUTES
DEPTH TO TOP PERFORATIONS OR OPEN HOLE DEPTH TO FLUID LEVEL. FLUID COLUMN HEIGHT × SP. 48. x .433 = PSIG REQUIRED FOR TEST
(c) VDV Baggenia IEGE
CASING SIZE TUBING SIZE TUBING SIZE FLOW BROK VOLUME
36 MIN
TIME TUSING PRESSURE ANNUALS PRESSURE
THE CASTNG TUBING ANNULUS PRESENT THAT THE THE TAST ON BEPORE SHUT-IN
WELL: (INJECTING/SHUT-IN) TIME SINGER SHUT-IN OR INJECTION BEGGN ANNULUS FILLED PRESSURE: TUBING V.C. CASING LIQUID TYPE: INJECTION ANNULUS FILLED ANNULUS FILLED PROME (YES 2009) TIME FOR FLOW TO STOP SETTMATED FLOW VORTHER
DEMONSTRATED NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH ABJACENT WELL BORE CHANNELS:
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NAME & NO. (LANGER DE DE LE FROM EN LENE AND LE PROM EN LIN
MY NAME LIVE TO BE THE TOTAL OF THE PARTY OF
MECHANICAL INTERRITY TEST

United States Environmental Protection Agency Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION WELL MONITURING REPORT

Operator: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103
Owner: THE LINK OIL CO
1408 PHILTOWER BLDG
TULSA OK 74103

State: OK County: OSAGE Inventory No: 0920 Otr. Section: SE Section: Ol Township: 27N Range: O7E Surface Loc: 0990N-0990W

Well Activity Type of Permit Lease Name

Well Number .........

Brine Disposal |X| Individual

Chapman-Osage B7-D

No. of Wells: 4 | Area

==== North Quadrant Reporting Form ====

Injection Pressure	Total Volume Injected	e Tubing-Casing Annulus   Pressure(Optional Monitor)
Month Yr   Avg PSIG   Max PSIG	I BBL I N	MCF   Min PSIG   Max PSIG
Apr 1990   Under Vacuum	27,301	
May 1990	28,347 28,777	\$400 400 400 400 400 400 400 400 400 400
Jul 1990       Aug 1990	25,244	AND THE
Sep 1990      Oct 1990	29,064 25,475	
Nov 1990	24,238 26,446	
Jan 1991     Feb 1991	28,764 27,827	
Mar 1991	25,798	

#### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system I designed to assure that qualified personnel properly gather and evaluate I I the information submitted. Based on my inquiry of the person or persons who I I manage the system, or those persons directly responsible for gathering the I I information, the information submitted is, to the best of my knowledge and I belief, true, accurate and complete. I am aware that there are significant I penalties for submitting false information including the possibility of fine I and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

I Name and Official Title

Signature

Date Signed

Robert B. Lyon, President

162 of 174

Robert B. Lyon, Presiden	E	- A-A	1-1-1-1-1-	April Sa	Tan
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1 Aug 1990 To 1		2.2.559			
1 301 1993					
Jun Cau III					
Nay Light		28,347			
Apr 1790   Under Vacuum					
Month Yr   Av Halo				I MIN PULE	Max Polls
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state: UK Launty: USAst Inventory No: 0920

Lrisection: SE section: of Township: 2/N Kanje: 07t Surface Loc: 0990n-0990w

Medit Activity Type of Permit Lease Name well number

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A N N U A L DISTRICT STORES OF A SURE COLON - Lency ... A N N U A L DISTRICT STORES OF A L

Bird Creek - Osage County, Oklahoma EPA/UIC INSPECTION REPORT

7-B7\_OS0920 163 of 174



Inspection Type VR+	dine	Inventory No. 05-0	920
Inspection Frequency	12-4-90	Authorization ABR	
Violation Code		Authorized to Inject	
Company/Operator 7h E	Link oil	Co.	
Business Address 1468 Phil	tower Bldg	Tulst. 0t. 7410	3
Individual Contacted Kevin	DEBOAD	Title field sant	
Lease Name' & Well No			
Legal Description 790 F(N)L			R 7
Well Information: SWD/ER, Ad			
Authorized In	njection: Press	ure N.A. Rate	
		4//2" Tubing Size	
Report of Conditions as of this		a 6 i	
Lease: Active/Inactive	and a second second	d up for injection: Yes/	NO
Injecting at time of inspection	Annual Marie Control of the Control		
Required fittings on tubing an			
Injection Pressure UA Annular Pressure	; но	w Determined SAN	36
Annular Pressure	, HO	w Determined	
Injection Rate 850			Rop.
Well plugged at Surface: Yes	Name and Address of Street		
Samples Taken No	Photo	graphs Taken	
Description of wellhead hooku	p and injection	facility:	
Active WELL, 4/12	" asg hee	I my 23/8" By -	
buried 2" fiber	glass line	cohnectal bow	610
than 2" high pas	ssupe hose		
0 1			
Weather Conditions and Observe	ations Sunn	4/c(+00- 65°f	
	6	REAL	
		NOV 1 9 1000	
-		Fee	
Inspection Date ///4/90 Ti	ime Arrived /d:	OA.M. Departed Fagor YOA.	
Field Inspector	11.6	papar confusion don.	7
EPA Reviewer	n	Date 4 DR90	u .

United States Environmental Protection Agency

Washington, D.C. 20480
ANNUAL DISPOSAL/INJECTION WELL

MONITORING REPORT

Operator: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

Owner: THE LINK DIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

Inventory No: 0920 State: OK County: OSAGE

Qtr. Section: SE Section: O1 Township: 27N Range: O7E Surface Loc: 0990N-0990W

Well Activity Type of Permit Lease Name

Lease Name

Well Number

Brine Disposal |X | Individual

Chapman-Osage B7-D

No. of Wells: 4 | | Area

==== North Quadrant Reporting Form ====

Injection Pressure		Total Volume Tubing-Casing Annulus Injected Pressure(Optional Monitor				
Month Yr	Avg PSIG	Max PSIG	I BBL I	MCF	Min PSIG	Max PSIG
tion later ANY later with limit time that and Any alone page their later later alone		NAME OF OWN OWN PERSON OWN OWN PORT AND				
Apr 1989	under vacuum	MANUFACTURE WITH STREET PARTY AND ASSESS STREET ASSESS.	25,955	ands while only some tent time was time came and the		
May 1989			22,391	ange notice mitter hatter were retter winte neste ander state with		
Jun 1989		Store state state when which when some terms which	22,701			
Jul 1989		many many many tour routh diller many stone record	23,441	many major tagour former former fellow delices delices majors have		
Aug 1989		NAMES AND ADDRESS ASSESS ASSESS ASSESS ASSESS ASSESS ASSESS.	23,051			
Sep 1989		name was inner Americ Makes William Miller Miller Miller	22,521	NATION ANNO ANNO PRODUCT MARKET ANTITION STORAGE CHARGE ANNOUS THAT	SECURE SECURE SECURE SHEETS SHEETS ASSESS SHEETS SHEETS SHEETS	south mines their below within billion closed county comes design
Oct 1989	1		28,513	month records deposit record fathers with the Names closure without bins	SANTE MARKE MARKE NAMED VARIOUS REASON ADVISE ANNUAL PRIMARY FRAME.	State and select south white white state south and
Nov 1989			26,510			Annu Char word Annu Your Name annu with Name
Dec 1989		25 A 15 - 2	23,424			
Jan 1990			24,724		1	
Feb 1990			23,278			
Mar 1990		AND THE COLUMN THE PARTY WHEN WHEN THE COLUMN	26,096			

## CERTIFICATION

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Name and Official Title

Date Signed

APR 13 1990

EPA 6W-S REGION VI United States Environmental Protection Agency Washington, D.C. 20480

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Operator: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

Owner: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

State: OK County: USAGE Inventory No: 0920

Qtr.Section: SE Section: 01 Township: 27N Range: 07E Surface Loc: 0990N-0990W

Well Activity Type of Permit
Brine Disposal | X | Individual

Lease Name Chapman Osage

No. of Wells: 4 | Area

==== North Quadrant Reporting Form ====

	Injection Pressure	Total \ Injec		bing-Casing sure(Option	
Month Yr	Avy PSIG   Max PSIG	BBL	I MCF	Min PSIG	Max PSIG
=========		\$250 000 100 000 100 000 000 000 000 000 0			========
Apr 1988	Under vacuum	30,613	MICH WHILE MICH ALAN SAME WHILE SHOW SEED WHEN THE	NATION AND ADDRESS	
May 1988	Makes forces forces forces forces again again again states forces forces again	20,603	ANALOS SAUCE ANALOS ESSARS SOURS SOURS VEIDE SAUCE VEIDES SAUCE ANALOS SAUCE S	Annua sanar witter retire where during waters design retain retain retain	
Jun 1988	NAME AND NAME AND ADDRESS OF THE ADD	23,830	MINEST NAMES WHOSE SHEET PARKS AND STREET AFFINE STREET STREET		
Jul 1988	THE COLD HAVE NOW THE	25,574	NAMES NAMES READS AND ADDRESS PORTER TRANSPORTED TO THE PERSON NAMES AND ADDRESS OF THE PERSON		
Aug 1988	THE SEASON NAME OF THE LAW OF THE OWN THE SEASON NAME OF THE SEASON NA	20,547	MANUFA WELLES AND WATER AND WHAT AND WHAT ADDRESS AND	AND MANY STREET PERSON COMPANY AND ARRIVE SERVICE ARRIVE ARRIVE	
Sep 1988	MANA CARRO SERIA RANGO CHARF CARRO VARIO VARIO VARIO CARRO VARIO C	18,641	waste stated worder budge places attends which create where which has		
Oct 1988	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPE	28,645	NAMES AND ADDRESS ASSESS ASSES	WHEN SOLES STORE STORE STORE STORE STORE STORE STORE	
Nov 1988	NAME TAKE TAKE TAKE TAKE TAKE AND TAKE TAKE TAKE TAKE TAKE TAKE TAKE TAKE	30,490	SALES SCHOOL SALES ACRES SCHOOL PRIVATE SCHOOL WATER CRACKS AND MAKES AND	THE THE REST NAME AND POST OFFICE AND ADDRESS OFFI	
Dec 1988	- STATE VALUE STATE STATE STATE AND VALUE	29,845	Makes were worth rates water rates alone which which these fines and	MACON VISION REQUIR MEDICAL PRISON ANNOS SALARY REQUIR VISION VISION	
Jan 1989	NAME OFFICE STATE STATE OFFICE AND OFFICE OFFICE STATE OFFICE STATE OFFICE OFFICE AND OFFICE	29,433	WELL WALL WAS SAND SIND THE THE THE THE THE	WILL ALSO GOOD THEN WITH STATE OFFICE SHAPE	
Feb 1989	MANNE FARME NATION STORE SHOULD CHARGE CHARGE SHOULD SHARE SHOULD	26,909	MODEL STATES SECURE SECURE SECURE SPEEDS SPEEDS SPEEDS SECURE SEC	THE THE SAME AND ADDRESS AND THE SAME WHEN AND ADDRESS AND	
Mar 1989		27,772			

## CERTIFICATION

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Name and Official Title

Sighakure

Date Signed

Robert B. Lyon, President

April 20, 1989

EPA GW-S REGION W

EPA/UIC INSPECTION REPORT

ACA	20)
-----	-----

Inspection Type API	Inventory No. <u>8920</u>
Inspection Frequency status	Authorization
Violation Code	Authorized to Inject
Company/Operator The Link Oil Co.	
Business Address 1408 Philtower Bldg.	Tulsa, OK 74 103
Individual Contacted	Title
Lease Name' & Well No. Blackland	B-7
Legal Description 0990 'F[N]L 0990 'F	$\begin{bmatrix} E \\ W \end{bmatrix}$ L <u>SE</u> /4 Sec. 0/ T 27 N R 07 E
Well Information: SWD/ER, Active/TA/	
Authorized Injection:	PressureRate
Long String Casing Size	ze 45 liner Tubing Size 2,38"
Report of Conditions as of this Date:	
Lease: Active/Inactive Well	
Injecting at time of inspection: Yes/I	
	/tubing annulus: Yes/No/Not Applicable
Injection Pressure < 0 Annular Pressure ?	; How Determined Con gauge
Annular Pressure	; How Determined
Injection Rate ?	; How Determined
Well plugged at Surface: Yes No/Undete	ermined
Samples Taken	Photographs Taken
Description of wellhead hookup and inju	ection facility.
- active well, pop of gistonson on pu	R. P. D. A.D.
annulus is shut in. Vibration	The san he heard in supring,
indicates varieum on tubins	on mond own we dely. 100. dudg
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	NOIDE DECINA
Weather Conditions and Observations	0 80 100 103 15 1
62°E l A	Can south with at 3 mps
- ( ) anguall sign on steel fine	e around well-
	Caller Carrier
	ed /2/D Departed /220
Field Inspector following from	
EPA Reviewer finall tantil	Date 2/2/89

United States Environmental Protection Agency Washington, D.C. 20480



ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT .

Operator: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

Owner: THE LINK OIL CO

1408 PHILTOWER BLDG

TULSA OK 74103

County: OSAGE Inventory No: 0920

Qtr.Section: SE Section: Ol Township: 27 Range: O7 Surface Location: 0990N0990W

Type of Permit Well Activity Brine Disposal |X | Individual No. of Wells: 4 | Area Lease Name

Well Number

==== North Quadrant Reporting Form ====

1		jection ressure	Total V Injec		ing-Casing sure(Optiona	Annulus   al Monitor)	
1		IG   Max PSIG	BBL	MCF	Min PSIG	Max PSIG	
1	Apr 1987   10#	=== =====	19,810		========	50#	
i	May 1987		24,886     24,689				
1	Jun 1987   Jul 1987		25,973				
-	Aug 1987		$\frac{30,066}{32,509}$				
1	Oct 1987		30,574				
	Nov 1987   Dec 1987		29,790   25,657				
i	Jan 1988		29,230 30,979				
1	Feb 1988   Mar 1988		31,494				

#### CERTIFICATION

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Name and Official Title

Robert B. Lyon, President

Sighature

Date Signed

April 11, 1988

APR 13 1988

EPA 6W-S REGION VI



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON DC 20480

DISPOSAL/INJECTION MONITORING REPORT

OPERATOR: THE LINK OIL CO ,408 JOS PHILTOWER BLDG TULSA OK 74103

DWNER: THE LINK DIL CO 14.8 703 PHILTOWER BLDG

TULSA OK 74103

COUNTY: OSAGE

INVENTORY NO: 0920

OTR. SECTION: SE SECTION: 01 TOWNSHIP: 27-RANGE: 07 SURFACE LOCATION: 0990N0990N

WELL ACTIVITY CALADAN CALADAN AND CALADAN TYPE OF PERMIT

LEASE NAME  WELL NUMBER **ひららいらいかいかいいい** 

BRINE DISPOSAL

X INDIVIDUAL

Chapman-Osage

B7-D

1 | AREA NO. OF WELLS:

\*\* NORTH GUADRANT REPORTING FORM \*\*

INJECTION PRESSURE TOTAL VOLUME INJECTED

TUBING-CASING ANNULUS PRESSURE(OPTIONAL MONITOR)

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		attraction to the contract of		28,762	-	-	11 1
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CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THEME ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINA AND IMPRISONMENT FOR KNOWING VIOLATIONS. (REF. 40 CFR 122.23/)

NAME AND OFFICIAL TITLE

DATE SIGNED

Robert B. Lyon, President

AEGION VI

code 8 faxs o 10

FAXS O D. Crouthers

FORM OR PERMIT PORTO



## MECHANICAL INTEGRITY TESTS

COMPANY NAME THE KINK OIL CO.
ADDRESS 1408 Philtower Bldg.
CITY AND STATE TUISA, OK. 74103
LEASE NAME CHAPMAN WELL NO. 37-D
LEGAL DESCRIPTION To ft. from M. line of 1/4 of SECTION
TOWNSHIP 27 RANGE 7
SALT WATER DISPOSAL WELL ENHANCED RECOVERY WELL
MAXIMUM PRESSURE AUTHORIZED
NEW WELL CONVERSION EXISTING PACKER DEPTH
DATE OF LAST INSPECTION 2436,42
2. No significant fluid movement into a USDW through channnels adjacent to well bore:
Demonstration Adequate: (YES/NO) Method Used: (CHECK ONE OR MORE) Reviewer:
Comenting Records  Transport (12 confuscion with another method) NO tech. Review
Temperature Log Noise Log
Other Acceptable Method (Specify)
II. No significant leak in casing, tubing or packer:
METHOD(S) USED:
(A) TUBING-PACKER PRESSURE TESTS
PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabalize (2) while injecting at maximum or average
injection pressure, observe and record injection and annulus pressure, or liquid flow.
TEST WITNESSED BY: KEVIN DIPBOYE Alenyt
DATE: /-5-87 (COMPANY REPRESENTATIVE) (EPA FIELD INSPECTOR)
DATE RECORDED BY: TIME SINCE: INJECTION BEGAN Share ANNULUS FILLED
ACTUAL INJECTION PRESSURE 26 / Acpst (hrs/days)
CASING-TUBING ANNULUS PRESSURE PS1
FLOW: ESTIMATED VOLUME Gals; TIME FOR FLOW TO STOP Mins
RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.
(B) CASING-TUBING ANNULUS PRESSURE TEST
PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure
annulus to at least 200 psi, (3) observe and record injection tubing pres- sure and annulus pressure simultanenously for at least 30 minutes. (Note:
This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus
pressures throughout the tubing length).
TEST WITNESSED BY: (COMPANY REPRESENTATIVE) (EPA FIELD INSPECTOR)
DATE: DATA RECORDED BY:
MELL . (INJECTING SHUT-IN) HOW LONG SINCE SHUT-IN June Dec 27, 1765
NATURE OF LIQUID: INJECTION LIQUID Sold Wit; ANNULUS LIQUID

Faxed to Desi 1-6-87 NP

(E) MONITORING INJECTION PRESSURE AND FLOW RATE RELATIONSHIP

PROCEDURE: (1) Perform initial pressure test (B), (2) Determine the initial well injectivity, (3) monitor the injection pressure and flow rate monthly.

DATE FLOW RATE (BPD) INJECTION PRESSURE INVENTORY (BPD/psi) REVIEWED BY DATE

(F) RADIDACTIVE TRACER SURVEY

Data and interpretation show: Leaks in casing tubing packer

No leaks in casing tubing packer

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs are made.

111. REMARKS // A COMPANY REPRESENTATIVE) (PASS/NO) (DATE)

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DATE OF	PERMIT	

	INTEGRITY TESTS	
MP L M W M A L W A	AMINENIIA IPCAC	
AL CHARLEL	THIFRIT I IF313	
CONTRACTOR OF THE PARTY OF THE	CONTRACTOR OF THE PROPERTY OF	

COMPANY NAME THE LINK OIL CO.
DDRESS 1408 Philtower Bldg.
ETY AND STATE TUISA, OK . 74103
EASE NAME Charman WELL NO. 87-D
EGAL DESCRIPTION TOTE from 11ne of 1/4 of SECTION
TOWNSHIP 27 RANGE 7
ALT WATER DISPOSAL WELL ENHANCED RECOVERY WELL
MAXIMUM PRESSURE AUTHORIZED
TEW WELL CONVERSION EXISTING PACKER DEPTHFt
DATE OF LAST INSPECTION
. No significant fluid movement into a USDW through channnels adjacent to well bore:
Demonstration Adequate: (YES/NO) Method Used: (CHECK ONE OR MORE)  Cementing Records  Tracer Survey (in conjunction with another method)  Temperature Log  Noise Log Other Acceptable Method (Specify)
Other Acceptable Method (Specify)  II. No significant leak in casing, tubing or packer:  AUG 11 198
METHOD(S) USED:  EPA GW-S
(A) TUBING-PACKER PRESSURE TESTS  REGION VI
PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabalize (2) while injecting at maximum or average injection pressure, observe and record injection and annulus pressure, or liquid flow.
TEST WITNESSED BY: (COMPANY REPRESENTATIVE) (EPA FIELD INSPECTOR)
DATE RECORDED BY: TIME SINCE: INJECTION BEGAN ANNULUS FILLED  ACTUAL INJECTION PRESSURE PS1  CASING-TUBING ANNULUS PRESSURE PS1
WATER FLOWED FROM ANNULUS (YES/NO) FLOW: ESTIMATED VOLUME Gals; TIME FOR FLOW TO STOP Mins
RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.
(B) CASING-TUBING ANNULUS PRESSURE TEST
PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure annulus to at least 200 psi, (3) observe and record injection tubing pressure and annulus pressure simultanenously for at least 30 minutes. (Note: This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus pressures throughout the tubing length).
TEST WITNESSED BY: (COMPANY REPRESENTATIVE) (EPA FIELD INSPECTOR)  DATE:
DATA RECORDED BY: WELL: (INJECTING/SHUT-IN): HOW LONG SINCE SHUT-IN
MATURE OF LIQUID: INJECTION LIQUID ; ANNULUS LIQUID



INJE	TION: PRESSURE	DS1; RATE	900	abus 4	prior to
	TUBING PRESSURE	ANNULUS PRESSURE	at 0 at 5 at 10 at 20 at 30	THUTES X Kerry Could	in hly not hold
RESU	.TS: (PASS/FAIL) - I pressure fails repairs have be	to hold. Shut down a			
(C)	CASING PRESSURE TEST				
	PROCEDURE: (1) With with liquid and allo casing to at least 2	w several hours for	temperatures to	stabilize (2) produce for 30 minutes	REO
TEST	WITNESSED BY:				RECL
DATE		MPANY REPRESENTATIVE	) (EPA FIE	TO INSPECTOR	AUGT
	RECORDED BY:	DS1 PRESSURE AF	TER 30 MINUTES	ps1	AUG 1 1  EPA 6W
DECI	TS: (PASS/FAIL) - I repairs have be	f fail shut down an	d reschedule to	et after anneants	EPA GW
MESU	repairs have be	en completed.	n i eschennie ei	ear eleer approprie	TEGION I
	ONTHLY CASING-TUBING				,
	PROCEDURE: (1) Maint pressure monthly.	ain a positive press	ure of 5 to 10	psi and monitor at	nnulus
	Annual Report Data:				
INJE	TION PRESSURE RANGE	ANNULUS PRESSURE RAN	GE REMEDIAL ACT	TIONS TAKEN REVIEW	D BY DATE
	SECURIOR SALE AND REPORT OF THE SECURIOR SECURIO		NESS CONTRACTOR DE CONTRACTOR		
danstalans					
(E)	MONITORING INJECTION	PRESSURE AND FLOW RA	TE RELATIONSHI	2	
	PROCEDURE: (1) Perfo	rm initial pressure	test (B), (2) 1	Determine the init	ial well
					190
DAT	E FLOW RATE (BPD) IN	JECTION PRESSURE IN	VENTURY (BPD/ps	REVIEWED BY	DATE
-	Octobromotorio de la companya de la compa			manufate deposit parameter annual parameter deposits deposits	
(E)	RADIOACTIVE TRACER SU	RVFY			
	Data and interpretati		neina outi	na packer	
	vala and interpretati	No leaks 1	n casing to	bing packer	-
		- If fail, shut downs are made.	n and reschedu	le test after appr	opri-
REN	RKS Fluid	1 nos	greater	Than	
4	and nen	30 min			
	0				
<b>CENTALIZATION</b>					
(1)					
			-4- 44		
From well	the knowledge obtain has mechanical integ	rity: (YES/NO)	sts, 12 18 my	opinon that this	
1	leaver Minte	ue And	un yat	7/21	181
1	COMPANY REPRESENTATIV	PERA EY	ELD INSPECTOR	CDAT	

**SEPA** 

Bird Creek - Osage County, Oklahoma

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Form Approved. OMB No. 2000-0042. Approval expires 9-30-86

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

The Link Oil Company
1408 Philtower Building
Tulsa, Oklahoma 74103

NAME AND ADDRESS OF SURFACE OWNER
H.G. Barnard Ranch
320 South Boston Building
Tulsa, Oklahoma 74103

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES

		N		
	+		++	+-
v   -				
H	$\dashv$	++	++	+-

EPA ASSIGNED FORM # STATE COUNTY 920 Osage OK SURFACE LOCATION DESCRIPTION TOWNSHIP 27N RANGE 7E 14 SECTION 1 WOF NW WOF SE LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 990 ft. from (N/S) N Line of quarter section and 990 ft. from (E/W) W Line of guarter section TYPE OF PERMIT WELL ACTIVITY ☐ Brine Disposal ☐ Enhanced Recovery ☐ Individua! Area Number of Wells \_\_15 ☐ Hydrocarbon Storage Chapman-Osage Well Number Lease Name

REPORTING FORM FOR NORTH QUADRANT ONLY INCLUDE WELLS IN TOWNSHIP 29N, 28N, and 27N

	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING — CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
APRIL - 85	50#		27,768	_	_	50#
MAY - 85	5 <b>0</b> #	-	33,063	_	_	11
JUNE - 85	"	-	27,269	-	-	11
JULY - 85	II .	_	35,316	#	<u>11</u>	11
AUG - 85	11	- '	28,006	_	_	11
SEPT - 85	11	_	29,052	-	_	11
OCT - 85	11	- '	30,477	-	-	11
NOV - 85	11	_	27,327	-	-	11
DEC - 85	11	-	29,495	-	-	11
JAN _ 86	11	_	26,086	_	_	11
FEB - 86	11	_	23,426	7	_	11
MARCH - 86	"	-	26.317	-	-	11

#### CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)
Robert B. Lyon, President

SIGNATURE

April 9, 1986

roved. OMB No. 2000-0042. Approval expires 9-30-86

ONMENTAL PROTECTION AGENCY DC 20460

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ANNUAL DISPOS	SAL/INJECTION WELL MONITORING REPORT
NAME AND ADDRESS OF EXISTING PERMITTEE	NAME AND ADDRESS OF SURFACE OWNER
The Link Oil Company	Barnard Ranch
1408 Philtower Buidling	320 So Boston Tulsa, oklahoma 74103
Tulsa, Oklahoma 74103	
LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT — 640 ACRES	Okla. Osage PERMIT NUMBER
N N	SURFACE LOCATION DESCRIPTION SE 1/4 OF NW 1/4 OF SE 1/4 SECTION 1 TOWNSHIP $27\mathrm{N}$ range $7\mathrm{E}$
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT
	Surface 990 ft. from (N/S) Line of quarter section
	and 990 ft. from [x /w) Line of quarter section
	WELL ACTIVITY TYPE OF PERMIT
W	☐ Brine Disposal
	Lease Name Chapman-Osage Well Number B-7

INJECTION PR		PRESSURE TOTAL VOLUME INJECTED		UME INJECTED	TUBING — CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
1-1985	Vaccum	Vaccum	31,343			
2-1985	Vaccum	Vaccum	26,878			
3–1985	Vaccum	Vaccum	25,318			
		,				
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						76

#### CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)	SIGNATURE	DATE SIGNED
Robert B. Lyon, President		April 10, 1985